

January 29, 2021

Mr. Mike Bratcher New Mexico Oil Conservation Division 811 South First Street Artesia, New Mexico 88210

RE: Closure Request Riverside ASS Incident Number nRM2019958440 Eddy County, New Mexico

Dear Mr. Bratcher:

Lucid Energy Group (Lucid) presents the following Closure Request detailing site assessment and soil sampling activities at the Riverside 8in. Line (Site) in Unit E, Section 15, Township 17 South, Range 27 East, in Eddy County, New Mexico under surface ownership of the Bureau of Land Management (BLM) (Figure 1). The purpose of the site assessment and soil sampling activities was to confirm the presence or absence of impacts to soil associated with a release of natural gas and pipeline liquids at the Site and subsequent excavation of impacted soil. Based on field observations, field screening, and laboratory analytical results from soil sampling activities, Lucid is submitting this Closure Request. Lucid requests no further action that may contribute to compromising the safety of field personnel and integrity of sensitive subsurface pipelines during active operations. Listed below is a brief summation of the Site details in Table 1.

Table 1: Site and Release information			
Name	Riverside 8in. Line		
Company	Lucid Artesia Company		
Incident Number	nRM2019958440		
Location	32.835193°, -104.273068°		
Estimated Date of Release	6/19/2020		
Date reported to NMOCD	7/14/2020		
Landowner	Bureau of Land Management		
Reported to	NMOCD District II and BLM		
Source of Release	Pipeline		
Released Material	Natural Gas/Condensate		
Released Volume	~5 bbls		
Recovered Volume	~5 bbls		
Net Release	~0 bbls		
Nearest Waterway	Intermittent stream ~1 mile north		



Depth to Groundwater	Estimated to be >100'
Nearest Domestic Water source	Greater than 1000'
Lucid Activity Dates	12/16/19, 1/13/20, 2/26/20, 3/11/20

1.0 RELEASE BACKGROUND

On June 19, 2020 Lucid operations personnel noticed pipeline liquids pooled at the surface along the Riverside 8" line. Approximately 5 barrels (Bbls) of pipeline liquids/condensate were released to the surrounding area. Due to the initial discovery yielding minimal volumes released at the surface Lucid delayed reporting this release. Once pipeline repair activities had exposed the affected pipeline soil staining and pipeline liquids were observed beneath the pipeline. Observed hydrocarbon staining and saturation was interpreted as historical releases along this pipeline. The unknown total volume loss over the lifetime of this pipeline, high karst potential, and regionally shallow groundwater necessitated the release notification. Lucid attentively reported the release to the New Mexico Oil Conservation Division (NMOCD) on a Release Notification and Corrective Action Form C-141 (Form C-141) on July 14, 2020 which was received and assigned Incident Number nRM2019958440 on July 17, 2020. The Form C-141 is provided as Appendix A.

2.0 SITE CHARACTERIZATION

Lucid characterized the Site according to Table 1, Closure Criteria for Soils Impacted by a Release, of Title 19, Chapter 15, Part 29, Section 12 (19.15.29.12) of the New Mexico Administrative Code (NMAC). Depth to groundwater at the Site is estimated to be less than 50 feet below ground surface (bgs) based on the nearest groundwater well data attained from the New Mexico Office of the State Engineer (NMOSE). The United States Geological Survey groundwater database showed no wells within an applicable proximity to the Site. The closest permitted groundwater wells with depth to groundwater data, RA-07844, RA-02966, and RA-07774, are located approximately 1 mile southwest of the Site near Riverside, NM and approximately 2 miles northwest and northeast, respectively. The Site is greater than 300 feet from any continuously flowing or significant watercourse. The Site is greater than 200 feet from a lakebed, sinkhole, or playa lake. The Site is greater than 300 feet from an occupied residence, school, hospital, institution, or church. The Site is greater than 1,000 feet to a freshwater well or spring and is not within a 100-year floodplain or overlying a subsurface mine. The Site is located greater than 300 feet from a wetland. The Site is located in a high-potential karst area. The surface soil geology of the Site is comprised mostly of the Reeves-Gypsum land-Cottonwood complex. The Reeves Gypsum complex is described as a shallow to moderately deep, reddish, fine-grained, loamy soil overlying massive gypsum beds. During excavation of the Site the Reeves-Gypsum complex was encountered at 0 to 4 feet bgs. The sub surface geology of the site is comprised of the Artesia Group, typically the Tansill formation. During the excavation alternating massive limestone beds with thinner laminations of gypsums beds and greyishgreen siltstone were encountered from to 4 feet to 16 feet bgs. The nearest identified groundwater wells



and potential receptors identified during site characterization are displayed in Figure 1. NMOSE groundwater data for surrounding wells is presented in Appendix C.

3.0 CLOSURE CRITERIA

In lieu of attaining a definitive groundwater depth via listed methods and lacking current groundwater information within reasonable proximity, Lucid remediated the Site according to the strictest closure criteria relevant to groundwater depth of <50 feet bgs, listed in NMAC 19.15.29 Table 1 Closure Criteria (Closure Criteria). Consideration of the high-potential karst area also required adherence to the strictest closure criteria. Based on the results of the site characterization, the following Closure Criteria apply:

- Benzene: 10 milligrams per kilogram (mg/kg)
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg
- Total petroleum hydrocarbons TPH: 100 mg/kg
- Chloride: 600 mg/kg

4.0 INITIAL RESPONSE

During the response to the release, Lucid personnel scraped the surface of saturated soils in the immediate area. Due to surface geology and topography of the Site the liquids flowed slightly to the west following the pipeline right-of-way. The subject pipeline was repaired, and surface samples were collected by a Lucid EHSR technician. The locations of initial samples are presented on Figure 2 and laboratory analytical results are summarized in Table 2. The complete laboratory analytical report is included in Appendix D. Volume calculations are presented in Appendix E.

5.0 DELINEATION SOIL SAMPLING ACTIVITIES

On June 23, during pipeline repair activates, Lucid personnel conducted site investigative activities to evaluate the release extent and current conditions. Initial repair activities exposed the pipeline at approximately 4 feet bgs with total excavation depths at about 5 feet bgs. Surface staining from released pipeline liquids in the immediate release area was visually observed while heavier staining and saturation was observed in gypsum layers in between the massive limestone beds. Photographic documentation was conducted during the Site visit and a Photographic Log is included in Appendix B.

Lucid personnel conducted initial delineation activities to define the horizontal extent of the impacted area. Utilizing a hand trowel and/or shovel, two soil samples (B-1-C and SW-2-N-C) were collected within the repair excavation at saturated bottom and sidewall surfaces to verify the presence or absence of soil impacts. On July 14, Lucid EHSR personnel returned assess remaining surface staining and to collect sidewall and bottom soil samples (SW-1-N-C, SW-2-E-C, SW-3-S-C, SW-4-W-C, and B-5-C). On August 5, more thorough vertical and horizontal delineation of the Site began during initial remediation activities utilizing a hammer hoe and track hoe. Four test holes surrounding the current extents of the pipeline



repair excavation were excavated to 4 feet bgs (S-S-4, S-E-4, S-W-4, and S-N-4) were collected at approximately 4 feet bgs during initial remediation activities. Another soil sample (B-S-8) was collected from the bottom of the excavation at approximately 8 feet bgs. Sampled depths are approximations due to the lithology of the Tansill Formation and the safe accessibility of the excavation.

Field screening was conducted for chloride using Hach[®] chloride QuanTab[®] test strips. The soil samples were placed directly into a pre-cleaned glass jar, labeled with the location, date, time, sampler name, method of analysis, and immediately placed on ice. The soil samples were shipped at or below 4 degrees Celsius (°C), under strict chain-of-custody (COC) procedures, to Hall Laboratories (Hall) in Albuquerque, New Mexico, for analysis of BTEX following United States EPA Method 8021B; TPH-GRO, TPH-DRO, and TPH-MRO following EPA Method 8015M/D; and/or chloride following EPA Method 300.0. The complete laboratory analytical report is included in Appendix D. Additionally, photographic documentation from delineation activities is also included in Appendix B.

6.0 **REMEDIATION ACTIVITIES**

On August 5, Lucid personnel and SDR Services (SDR) began remedial excavation activities at the Site. In lieu of attaining a definitive groundwater depth via listed methods and lacking current groundwater information nearby, Lucid remediated the Site in conjunction with the strictest closure criteria relevant to groundwater depth of <50 feet bgs, listed in NMAC 19.15.29 Table 1. Consideration of the high-potential karst area also required adherence to the strictest closure criteria. The closest permitted groundwater wells with depth to groundwater data are located approximately 1 mile southwest of the Site and approximately 2 miles northwest and northeast, groundwater well data from NMOSE are listed in Appendix C.

During the initial remediation activities, the excavation bottom was expanded to a total depth of approximately 6-7 feet bgs. A trackhoe and hammer hoe were utilized to break through the massive limestone beds, leading to variable depths throughout the excavation. Sidewalls were also extended laterally approximately 2 feet. More saturated soil was observed in the excavation sidewalls, likely due to the reduced confining pressure of the massive limestone beds removed during pipeline repair activities. The excavation was left open for three weeks to allow for remaining VOCs to flash off and determine if more hydrocarbons would be released to the surface from the confining limestone and gypsum beds. A vertical test hole was extended to 8 feet bgs at the center of the excavation bottom and sample B-S-8 was collected. Sample B-S-8 analytical results indicated that hydrocarbons and chlorides were not present at the sample depth of 8 feet bgs.

On September 4, after receipt of analytical results Lucid personnel and SDR returned to the site to collect excavation bottom and sidewall samples with the intent of using analytical results for final confirmation of remediation activities. However, saturation was again observed at the bottom and north sidewall surfaces. The excavation was expanded to a total depth of approximately 8 feet bgs and the north sidewall was laterally extended approximately 3 feet to north until staining was no longer observable.



An initial thirteen composite soil samples were collected from multiple bottom and sidewall surfaces throughout the excavation and submitted to Hall for analysis. Analytical results reported chloride levels above 600 ppm for sidewall samples SW-11-C, SW-12-C, and SW-13-C. All bottom samples collected at 8 feet bgs reported TPH levels above 100 ppm (B-6-C, B-7-C, B-8-C, B-9-C, B-10-C). These results indicated chloride and hydrocarbon impacts were likely still present at greater depths, being slowly released from confining beds of limestone and gypsum. Chlorides were also still present in sidewall surfaces on the south side of the excavation.

During the week of October 19, Lucid personnel and SDR returned to continue secondary remedial activities and again delineate a new, clean vertical depth based on the most recent analytical results. The Lucid EHSR team had also recently received a MiniRAE 3000 photoionization detector (PID) and was now able to better screen for hydrocarbons. The bottom surface was excavated to a depth of approximately 16 feet bgs and the south section was laterally extended approximately 3 feet bgs. The east side of the excavation bottom was extended to approximately 10 feet bgs due to field screenings indicating no hydrocarbon nor chloride presence. Wooden skids were used in the east bottom section to provide support to the exposed pipeline. Bottom surface samples collected from the east side of the excavation at a depth of 10ft bgs, B-22-C and B35-C, confirm that no hydrocarbon nor chloride was present at that depth. Sidewall samples, SW-24-C, SW-25-C, SW-31-C, and SW-32-C were collected at various depths along the southern excavation sidewall to more accurately represent lithologic changes. PID field screenings of samples collected indicated that hydrocarbon levels had diminished significantly at 16 feet bgs throughout the remainder of the excavation. Chloride field screenings had also returned non detect readings. Due to the permeability and occurrence of the gypsum and siltstone stratification, hydrocarbons were restricted to these areas in between the larger limestone beds causing variable distribution and difficult detection of hydrocarbon and chloride impacts.

During the week of November 23, clean locally sourced backfill material was staged onsite. Final bottom confirmation samples (B-33-C, B-34-C, B-35-C, and B-36-C) were collected from the bottom surface of the excavation to confirm that all impacts had been remediated. Minimal surface staining observed on the north and west side of the excavation was removed using a backhoe to scrape the surface. During the week of November 30, the excavation was backfilled with local material. This site was backfilled due to safety concerns regarding the integrity of the exposed pipeline and the proximity of the excavation to the right-of-way (ROW) access road managed by the BLM. Impacted material stockpiled onsite from repair activities and recently excavated material was disposed of at Lea Land Industrial Solid Waste Landfill. Lucid plans to reseed the site once seasonal temperatures have increased sufficiently to allow for effective seed germination and revegetation. Site photographs are presented in Appendix B.

A total of eighteen final composite soil samples were collected throughout the excavation during the week of October 19. Composite soil samples were collected at <20' lateral intervals encompassing \leq 200 yd² of soil. Sidewall composite soil samples from the east section of the excavation were collected at depths between 2 and 10 feet bgs utilizing the trackhoe bucket to collect material. Sidewall composite soil samples from the excavation were collected at depths between 4 and 16 feet



bgs utilizing the trackhoe bucket to collect material. The locations of remediation samples are presented in Figure 3. Field screening was conducted for chloride using Hach[®] chloride QuanTab[®] test strips and for hydrocarbon VOCs using a calibrated PID. The soil samples were placed directly into a pre-cleaned glass jar, labeled with the location, date, time, sampler name, method of analysis, and immediately placed on ice. The soil samples were shipped at or below 4° C, under strict COC procedures, to Hall, for analysis of chloride following EPA Method 300.0. The complete laboratory analytical report is included in Appendix D. Additionally, photographic documentation from remediation activities is also included in Appendix B.

7.0 ANALYTICAL

All release area boundary sample locations analyzed for chloride concentrations yielded concentrations below the Closure Criteria. All other delineation grab samples indicated BTEX, TPH-GRO, TPH-DRO, and Total TPH concentrations below the applicable Closure Criteria. Hydrocarbon and chloride impacts have been delineated vertically and laterally. All confirmatory composite samples collected from the excavation sidewalls and bottom indicate that chloride impacts have been successfully remediated to below the Closure Criteria. Soil sample analytical results are reported in Table 2. The complete laboratory analytical report is included in Appendix D.

8.0 CLOSURE REQUEST

Based on the analytical data indicating hydrocarbon and chloride impacts are delineated and the remediation of impacted material, Lucid respectfully requests closure of the Site and no further action associated with Incident Number nRM2019958440. Lucid will periodically monitor any altered Site configurations that may lead to the permanent removal of sensitive subsurface pipelines located within the subject area. Lucid will commence corrective action to address reseeding the Site closer to the spring season for more effective revegetation. If you have any questions or comments, please do not hesitate to contact Mr. Michael Gant at 314-330-7876.

Sincerely, LUCID ENERGY GROUP

Michael Gant Environmental Coordinator

cc: Jim Amos, BLM Emily Hernandez, NMOCD Robert Hamlet, NMOCD Victoria Venegas, NMOCD



Appendices:

Figure 1	Site Location Map
Figure 2	9/4/20 Sample Location Map
Figure 3	10/24/20 Sample Location Map
Table 2	Soil Analytical Results
Appendix A	Form C-141
Appendix B	Photographic Log
Appendix C	NMOSE Groundwater Data
Appendix D	Laboratory Analytical Reports
Appendix E	Volume Calculations

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FIGURES





LEGEND Karst Critical \triangle Site Medium Low

High



Figure 1: Site Location Map Riverside 8" Line Release Eddy County, NM 32.835037°, -104.272662°

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NOTES:

 Analytical Values are given in mg/Kg (ppm).
 Analytical Values in yellow shading exceed NMED RRAL's. W E NAD 1983 StatePlane New Mexico East FIPS 3001 Feet Figure 2: 9/4/20 Sample Location Map Riverside 8" Line Release Eddy County, NM 32.835037°, -104.272662° Received by OCD: 10/29/2021 11:21:33 AM

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B-19-C 10/21/2020 SW-27-C 10/23/20	020 SW-28-C 10/23/2020 B-34-C 11/25/2020 B-20-C 10/21/2020 SW-29-C	10/23/2020
Depth 15' Depth NA	Depth NA Depth 16' Depth 15' Depth	NA
Total TPH 370	BTEX <1 BTEX <1 BTEX <1 BTEX <1 BTEX Total TPH <50 Total TPH 273 Total TPH Total TPH	
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BTEX <1		Total TPH <50 Chloride 450
Chloride <61		CALLER CONTRACTOR AND A THE
	00	Depth 10'
		BTEX <1
	L L DC	Internet <50 Chloride <60
		B-35-C 11/25/2020
SW-26-C 10/23/2020		BTEX <1
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Chloride 92	Depth	
	BTEX	
SW-32-C 10/23/2020	B-36-C 11/25/2020 B-21-C 10/23/2020 B-21-C Total TPH	24
Sample Location SW-32-C 10/23/2020 Depth NA DEPTH NA DETEX 1	B-36-C 11/25/2020 B-21-C 10/23/2020 BTEX Total TPH Depth 16' Depth 15' Chloride Chloride	24 95
• Sample Location SW-32-C 10/23/2020 Depth NA BTEX <1 Total TPH <50	B-36-C 11/25/2020 B-21-C 10/23/2020 Depth 16' Depth 15' BTEX 1 BTEX Total TPH <50 Total TPH <50	23/2020
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 Sample Location 16 ft. depth 10 ft. depth Lucid Pipeline 	B-36-C 11/25/2020 B-21-C 10/23/2020 Depth 16' Depth 15' BTEX <1 BTEX <1 Total TPH <50 Total TPH <50 Chloride <61 SW-31-C 10/2 BTEX <1 Total TPH <50 Chloride <60 Chloride <61	California (1) California (2) <pcalifornia (2)<="" p=""> <pcalifornia (2)<="" p=""></pcalifornia></pcalifornia></pcalifornia></pcalifornia></pcalifornia></pcalifornia></pcalifornia></pcalifornia></pcalifornia></pcalifornia></pcalifornia></pcalifornia></pcalifornia></pcalifornia></pcalifornia>
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 Sample Location 16 ft. depth 10 ft. depth Lucid Pipeline Excavation area 	B-36-C 11/25/2020 B-21-C 10/23/2020 Depth 16' Depth 15' BTEX <1	 41 24 95 23/2020 NA <1 <50 260



NOTES:

 Analytical Values are given in mg/Kg (ppm).
 Analytical Values in yellow shading exceed NMED RRAL's.



Figure 3: 10/24/20 Sample Location Map Riverside 8" Line Release Eddy County, NM 32.835037°, -104.272662°

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TABLES

Table 2 Soil Sample Analytical Results Riverside 8" ASS Eddy County, NM

Sample ID	Depth (feet)	Date	Benzene	Toluene	Ethyl-benzene	Xylenes	BTEX	TPH (GRO)	TPH (DRO)	TPH (MRO)	Total TPH	Chlorides
B-1-C	4'	6/23/2020	8.7	100	40	160	308.7	3800	6300	810	10910	1600
SW-2-N-C	NA	6/23/2020	4.1	66	38	150	258.1	2800	5600	1200	9600	320
SP-1-C	NA	6/23/2020	2.1	55	34	140	231.1	3000	8200	1400	12600	3000
SW-1-N-C	NA	7/14/2020	<.12	<.23	<.23	0.62	0.62	<23	1000	500	1500	1400
SW-2-E-C	NA	7/14/2020	<.12	0.86	1.4	8.1	10.36	200	3500	1000	4700	680
SW-3-S-C	NA	7/14/2020	0.16	3.1	1.8	8.4	13.46	230	7000	3200	10430	540
SW-4-W-C	NA	7/14/2020	0.36	8.8	8.1	31	48.26	850	5100	1800	7750	880
B-5-C	NA	7/14/2020	<.11	1.7	1.2	5.8	8.70	220	7400	3100	10720	1500
S-S-4	4'	8/5/2020	<.023	<.046	<.046	<.093	<1	<4.6	<9.9	<50	<50	<60
S-E-4	4'	8/5/2020	<.025	<.050	<.050	<.099	<1	<5.0	<9.4	<47	<50	68
S-W-4	4'	8/5/2020	<.023	<.047	<.047	<.094	<1	<4.7	<9.6	<48	<50	<60
S-N-4	4'	8/5/2020	<.025	<.049	<.049	<.098	<1	<4.9	<9.5	<48	<50	<60
B-S-8	8'	8/5/2020	0.21	<.25	<.25	<.50	0.21	<25	<9.5	<48	<50	320
B-6-C	NA	9/4/2020	<.12	<.25	<.25	<.50	<1	<25	920	550	1470	510
B-7-C	NA	9/4/2020	<.12	0.56	0.54	2.9	4	36	2900	1900	4836	380
B-8-C	NA	9/4/2020	<.12	0.81	1.2	5.1	7.11	49	2600	1400	4049	310
B-9-C	NA	9/4/2020	0.049	0.94	1.3	5.2	7.49	64	2300	1200	3564	290
B-10-C	NA	9/4/2020	<.025	<.050	<.050	<.099	<1	<5.0	710	420	1130	330
SW-11-C	NA	9/4/2020	<.025	<.049	<.049	0.099	0.099	5.5	100	72	178	780
SW-12-C	NA	9/4/2020	<.025	<.049	<.049	0.11	0.11	7.4	1100	310	1417	1500
SW-13-C	NA	9/4/2020	<.12	2.3	1.7	8.2	12.2	160	4200	1900	6260	1800
SW-14-C	NA	9/4/2020	<.25	<.050	<.050	<.099	<1	<5.0	150	87	237	390
SW-15-C	NA	9/4/2020	<.025	<.049	<.049	<.099	<1	<4.9	<9.7	<49	<50	210
SW-16-C	NA	9/4/2020	<.025	0.16	0.077	0.37	0.607	6.2	24	<49	30	<60
SW-17-C	NA	9/4/2020	<.024	<.049	<.049	<.098	<1	<4.9	11	<49	11	<59
SW-18	NA	9/4/2020	<.024	<.048	<.048	<.097	<1	<4.8	110	57	167	250
B-19-C	NA	10/21/2020	<.12	<.24	<.24	0.48	<1	<24	220	150	370	<60
B-20-C	NA	10/21/2020	<.12	<.24	<.24	<.48	<1	<24	180	93	273	<60
B-21-C	NA	10/23/2020	<.025	<.049	<.049	<.098	<1	<4.9	<10	<50	<50	<61
B-22-C	NA	10/23/2020	<.024	<.049	<.049	<.098	<1	<4.9	<9.4	<47	<50	<60
SW-23-C	NA	10/23/2020	<.025	<.050	<.050	<.099	<1	<5.0	48	<44	48	93
SW-24-C	NA	10/23/2020	<.025	<.049	<.049	<.099	<1	<4.9	24	<50	24	95
SW-25-C	NA	10/23/2020	<.025	<.049	<.049	<.099	<1	<4.9	61	<48	61	92
SW-26-C	NA	10/23/2020	<.025	<.049	<.049	<.098	<1	<4.9	20	<47	20	85
SW-27-C	NA	10/23/2020	<.024	<.049	<.049	<.097	<1	<4.9	<9.6	<48	<50	150
SW-28-C	NA	10/23/2020	<.025	<.050	<.050	<.10	<1	<5.0	<9.5	<48	<50	250
SW-29-C	NA	10/23/2020	<.025	<.049	<.049	<.098	<1	<4.9	<9.3	<47	<50	310
SW-30-C	NA	10/23/2020	<.025	<.050	<.050	<.10	<1	<5.0	<9.7	<48	<50	450
SW-31-C	NA	10/23/2020	<.025	<.050	<.050	<.10	<1	<5.0	<9.6	<48	<50	260
SW-32-C	NA	10/23/2020	<.025	<.050	<.050	<.099	<1	<5.0	<9.5	<47	<50	320
B-33-C	NA	11/25/2020	<.025	<.049	<.049	<.098	<1	<4.9	<9.6	<48	<50	<61
B-34-C	NA	11/25/2020	<.024	<.048	<.048	<.097	<1	<4.8	<9.9	<50	<50	<60
B-35-C	NA	11/25/2020	<.025	<.050	<.050	<.10	<1	<5.0	<9.9	<49	<50	<60
B-36-C	NA	11/25/2020	<.025	<.049	<.049	<.098	<1	<4.9	<8.9	<44	<50	<60
NMOCD Table	e 1 Closur	e Limits	10		Total B1	TEX: 50			Total T	PH: 100		600

Notes:

All sample results are in milligrams per kilogram NMOCD = New Mexico Oil Conservation Division Table 1 Closure Limits = In accordance with 19.15.29 Release Rule NA = Not Analyzed BTEX = Benzene, Toluene, Ethylbenzene, Xylenes TPH = Total Petroleum Hydrocarbons GRO = Gasoline Range Organics DRO = Diesel Range Organics MRO = Motor Oil Range Organics Exceeds NMOCD limit



.

Appendix A

Form C-141

District I 1625 N. French Dr., Hobbs, NM 88240 District II 811 S. First St., Artesia, NM 88210 District III 1000 Rio Brazos Road, Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505 State of New Mexico Energy Minerals and Natural Resources Department

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Form C-141 Revised August 24, 2018 Submit to appropriate OCD District office

)

Incident ID	
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party Lucid Artesia Company	OGRID 147831
Contact Name Michael Gant	Contact Telephone 3143307876
Contact email MGant@lucid-energy.com	Incident # (assigned by OCD)
Contact mailing address 201 South 4th Street	

Location of Release Source

Latitude 32.835518°

Longitude -104.273590°

(NAD 83 in decimal degrees to 5 decimal places)

Site Name Riverside 8" pipeline release	Site Type Low Pressure gathering system		
Date Release Discovered 7/10/2020	API# (if applicable)		

Unit Letter	Section	Township	Range	County
E	15	17S	27E	Eddy

Surface Owner: State V Federal Tribal Private (Name: Bureau of Land Management

Nature and Volume of Release

l(s) Released (Select all that apply and attach calculations or specific	justification for the volumes provided below)
Volume Released (bbls)	Volume Recovered (bbls)
Volume Released (bbls)	Volume Recovered (bbls)
Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	Yes No
Volume Released (bbls) 5 Bbls	Volume Recovered (bbls) 0 Bbls
Volume Released (Mcf) 5 Mcf	Volume Recovered (Mcf) 0 Mcf
Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)
elease was caused by internal corrosion v n of the pipe.	which led to a pinhole leak forming on the
	(s) Released (Select all that apply and attach calculations or specific Volume Released (bbls) Volume Released (bbls) Is the concentration of dissolved chloride in the produced water >10,000 mg/l? Volume Released (bbls) 5 Bbls Volume Released (Mcf) 5 Mcf Volume/Weight Released (provide units) elease was caused by internal corrosion with the pipe.

Page 2

Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC?	If YES, for what reason(s) does the responsible party consider this a major release?
🗌 Yes 🛛 No	
If YES, was immediate no	otice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury

 \checkmark The source of the release has been stopped.

 \checkmark The impacted area has been secured to protect human health and the environment.

Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.

 \checkmark All free liquids and recoverable materials have been removed and managed appropriately.

If all the actions described above have not been undertaken, explain why:

Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Printed Name: Michael Gant

Signature: Mgant

Title: Environmental Coordinator

_{email:} MGant@lucid-energy.com

Date: 7/14/2020

Telephone: 314-330-7876

OCD Only

Received by:

Date:

Received by OCD: 10/29/2021 11:21:33 AM Form C-141 State of New Mexico

Oil Conservation Division

	Page 17 0J 140
Incident ID	
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release?	(ft bgs)
Did this release impact groundwater or surface water?	🗌 Yes 📈 No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	🗌 Yes 🛛 No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	🗌 Yes 🛛 No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	🗌 Yes 🗹 No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	🗌 Yes 🛛 No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	🗌 Yes 🛛 No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	🗌 Yes 🗹 No
Are the lateral extents of the release within 300 feet of a wetland?	🗌 Yes 🔽 No
Are the lateral extents of the release overlying a subsurface mine?	🗌 Yes 🛛 No
Are the lateral extents of the release overlying an unstable area such as karst geology?	🗌 Yes 🔽 No
Are the lateral extents of the release within a 100-year floodplain?	🗌 Yes 🔽 No
Did the release impact areas not on an exploration, development, production, or storage site?	🗹 Yes 🗌 No

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

Characterization Report Checklist: Each of the following items must be included in the report.

- Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells. \checkmark Field data
- Data table of soil contaminant concentration data
- \checkmark Depth to water determination
- Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
- Boring or excavation logs
- Photographs including date and GIS information
- Topographic/Aerial maps
- Laboratory data including chain of custody

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

1:21:33 AM State of New Mexico		In al dant ID	Page 18 of 1		
Oil Conservation Division		District RP			
		Facility ID			
		Application ID			
ed to report and/or file certain release noti The acceptance of a C-141 report by the C d remediate contamination that pose a three 141 report does not relieve the operator of t	ifications and perform co OCD does not relieve the eat to groundwater, surfa responsibility for comp 	orrective actions for rele e operator of liability sho ace water, human health liance with any other fea	eases which may endanger ould their operations have or the environment. In deral, state, or local laws		
	Date:				
ergy.com	Telephone: 3143307876				
	Oil Conservation Division n given above is true and complete to the ed to report and/or file certain release not The acceptance of a C-141 report by the d remediate contamination that pose a thr 41 report does not relieve the operator of t	Oil Conservation Division n given above is true and complete to the best of my knowledge a ed to report and/or file certain release notifications and perform co The acceptance of a C-141 report by the OCD does not relieve the d remediate contamination that pose a threat to groundwater, surfate 41 report does not relieve the operator of responsibility for comp t Title: Environment Date: 1/25/2021 ergy.com Telephone:	Oil Conservation Division Incident ID District RP Facility ID Application ID Application ID n given above is true and complete to the best of my knowledge and understand that pursed to report and/or file certain release notifications and perform corrective actions for reletered to acceptance of a C-141 report by the OCD does not relieve the operator of liability shift remediate contamination that pose a threat to groundwater, surface water, human health 41 report does not relieve the operator of responsibility for compliance with any other fermination t Title: Environmental Coordinator Date: 1/25/2021 Telephone: 3143307876		

Received by OCD: 10/29/2021 11:21:33 AM Form C-141 State of New Mexico

Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Remediation Plan

Remediation Plan Checklist: Each of the following items must be included in the plan.

Detailed description of proposed remediation technique

Scaled sitemap with GPS coordinates showing delineation points

 $\overline{\square}$ Estimated volume of material to be remediated

Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC

Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

Deferral Requests Only: Each of the following items must be con	firmed as part of any request for deferral of remediation.				
\square Contamination must be in areas immediately under or around prodeconstruction.	oduction equipment where remediation could cause a major facility				
Extents of contamination must be fully delineated.					
\square Contamination does not cause an imminent risk to human health	, the environment, or groundwater.				
I hereby certify that the information given above is true and complete rules and regulations all operators are required to report and/or file c which may endanger public health or the environment. The acceptant liability should their operations have failed to adequately investigate surface water, human health or the environment. In addition, OCD a responsibility for compliance with any other federal, state, or local la	e to the best of my knowledge and understand that pursuant to OCD ertain release notifications and perform corrective actions for releases nee of a C-141 report by the OCD does not relieve the operator of and remediate contamination that pose a threat to groundwater, acceptance of a C-141 report does not relieve the operator of two and/or regulations.				
Printed Name: Michael Gant	Title: Environmental Coordinator				
Signature: Mgant	Date: 1/25/2021				
_{email:} MGant@lucid-energy.com	Telephone: 3143307876				
OCD Only					
Received by:	Date:				
Approved Approved with Attached Conditions of A	Approval Denied Deferral Approved				
Signature:	Date:				

Page 5

Page 6

Incident ID	
District RP	
Facility ID	
Application ID	

Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

<u>Closure Report Attachment Checklist</u>: Each of the following items must be included in the closure report.

A scaled site and sampling diagram as described in 19.15.29.11 NMAC

Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)

Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)

 \square Description of remediation activities

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: Michael Gant	Title: Environmental Coordinator
Signature: MGant	Date:
email: MGant@lucid-energy.com	Telephone: 314-330-7876
Received by: Chad Hensley	Date: 12/03/2021
Closure approval by the OCD does not relieve the responsible party remediate contamination that poses a threat to groundwater, surface party of compliance with any other federal, state, or local laws and/	of liability should their operations have failed to adequately investigate and water, human health, or the environment nor does not relieve the responsible for regulations.
Closure Approved by:	Date:12/03/2021
Printed Name: Chad Hensley	Title: Environmental Specialist Advanced



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Appendix B

Photographic Log





Pre-Excavation Looking West (6/19/20)



Pre-Excavation Looking East (6/19/20)

Appendix B: Photographic Log 06/19/20-12/1/2020 Riverside 8" Line



Initial Repair Excavation Looking East (6/23/20)



Initial Repair Excavation Aerial (7/14/20)

Received by OCD: 10/29/2021 11:21:33 AM





Remediation Excavation Aerial (8/5/20)



Remediation Excavation Aerial (11/23/20)

Appendix B: Photographic Log 06/19/20-12/5/2020 Riverside 8" Line



Remediation Excavation Bottom (11/24/20)



Remediation Excavation Looking South (11/23/20)

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Remediation Excavation Looking East (11/23/20)



Remediation Excavation Looking North (11/23/20)

Appendix B: Photographic Log 06/19/20-12/5/2020 Riverside 8" Line



Remediation Excavation Looking West (11/23/20)



Backfilled/Graded Site Looking North (12/4/20)



Appendix C

Groundwater Data

Riverside 8in. Groundwater Wells



12/9/2020, 10:24:16 AM **GIS WATERS PODs**

- 0 Active
- 0 Pending

OSE District Boundary

SiteBoundaries



USDA FSA, GeoEye, Maxar, Esri, HERE, iPC, U.S. Department of Energy Office of Legacy Management, Esri, HERE, Garmin, iPC



Appendix D

Laboratory Analytical Reports



July 01, 2020

Michael Gant Lucid Energy Delaware 201 South 4th St. Artesia, NM 88210 TEL: (575) 513-8988 FAX

RE: Riverside 8"

OrderNo.: 2006C76

Hall Environmental Analysis Laboratory

TEL: 505-345-3975 FAX: 505-345-4107

Website: clients.hallenvironmental.com

4901 Hawkins NE

Albuquerque, NM 87109

Dear Michael Gant:

Hall Environmental Analysis Laboratory received 3 sample(s) on 6/25/2020 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

CLIENT: Lucid Energy Delaware

Riverside 8"

2006C76-001

Project:

Lab ID:

Analytical Report Lab Order 2006C76

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 7/1/2020

Client Sample ID: B.1.C Collection Date: 6/23/2020 11:00:00 AM Received Date: 6/25/2020 9:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: BRM
Diesel Range Organics (DRO)	6300	93		mg/Kg	10	6/29/2020 8:29:45 AM
Motor Oil Range Organics (MRO)	810	460		mg/Kg	10	6/29/2020 8:29:45 AM
Surr: DNOP	0	55.1-146	S	%Rec	10	6/29/2020 8:29:45 AM
EPA METHOD 300.0: ANIONS						Analyst: CAS
Chloride	1600	60		mg/Kg	20	6/29/2020 10:41:04 AM
EPA METHOD 8260B: VOLATILES SHORT LIST	r					Analyst: JMR
Benzene	8.7	0.12		mg/Kg	5	6/29/2020 3:10:24 PM
Toluene	100	2.4		mg/Kg	50	6/30/2020 4:04:58 AM
Ethylbenzene	40	2.4		mg/Kg	50	6/30/2020 4:04:58 AM
Xylenes, Total	160	4.7		mg/Kg	50	6/30/2020 4:04:58 AM
Surr: 1,2-Dichloroethane-d4	115	70-130		%Rec	5	6/29/2020 3:10:24 PM
Surr: 4-Bromofluorobenzene	63.6	70-130	S	%Rec	5	6/29/2020 3:10:24 PM
Surr: Dibromofluoromethane	98.2	70-130		%Rec	5	6/29/2020 3:10:24 PM
Surr: Toluene-d8	105	70-130		%Rec	5	6/29/2020 3:10:24 PM
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: JMR
Gasoline Range Organics (GRO)	3800	240		mg/Kg	50	6/30/2020 4:04:58 AM
Surr: BFB	103	70-130		%Rec	50	6/30/2020 4:04:58 AM

Matrix: SOIL

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- Value exceeds Maximum Contaminant Level.
 D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 1 of 8

CLIENT: Lucid Energy Delaware

Riverside 8"

2006C76-002

Project:

Lab ID:

Analytical Report Lab Order 2006C76

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 7/1/2020
Client Sample ID: SW.2.N.C

Collection Date: 6/23/2020 11:05:00 AM Received Date: 6/25/2020 9:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGA	NICS					Analyst: BRM
Diesel Range Organics (DRO)	5600	90		mg/Kg	10	6/29/2020 8:39:33 AM
Motor Oil Range Organics (MRO)	1200	450		mg/Kg	10	6/29/2020 8:39:33 AM
Surr: DNOP	0	55.1-146	S	%Rec	10	6/29/2020 8:39:33 AM
EPA METHOD 300.0: ANIONS						Analyst: CAS
Chloride	320	60		mg/Kg	20	6/29/2020 11:18:06 AM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: JMR
Benzene	4.1	0.12		mg/Kg	5	6/29/2020 4:36:54 PM
Toluene	66	2.4		mg/Kg	50	6/30/2020 4:33:36 AM
Ethylbenzene	38	2.4		mg/Kg	50	6/30/2020 4:33:36 AM
Xylenes, Total	150	4.8		mg/Kg	50	6/30/2020 4:33:36 AM
Surr: 1,2-Dichloroethane-d4	115	70-130		%Rec	5	6/29/2020 4:36:54 PM
Surr: 4-Bromofluorobenzene	63.5	70-130	S	%Rec	5	6/29/2020 4:36:54 PM
Surr: Dibromofluoromethane	108	70-130		%Rec	5	6/29/2020 4:36:54 PM
Surr: Toluene-d8	105	70-130		%Rec	5	6/29/2020 4:36:54 PM
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: JMR
Gasoline Range Organics (GRO)	2800	240		mg/Kg	50	6/30/2020 4:33:36 AM
Surr: BFB	103	70-130		%Rec	50	6/30/2020 4:33:36 AM

Matrix: SOIL

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- Value exceeds Maximum Contaminant Level.
 D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 2 of 8

CLIENT: Lucid Energy Delaware

Analytical Report Lab Order 2006C76

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 7/1/2020
Client Sample ID: SP.1.C

Project: Riverside 8" Collection Date: 6/23/2020 12:00:00 PM Lab ID: 2006C76-003 Matrix: SOIL Received Date: 6/25/2020 9:40:00 AM Result **RL** Qual Units DF **Date Analyzed** Analyses EPA METHOD 8015M/D: DIESEL RANGE ORGANICS Analyst: BRM Diesel Range Organics (DRO) mg/Kg 8200 91 10 6/29/2020 8:49:20 AM Motor Oil Range Organics (MRO) 1400 450 mg/Kg 10 6/29/2020 8:49:20 AM Surr: DNOP 55.1-146 S %Rec 10 6/29/2020 8:49:20 AM 0 **EPA METHOD 300.0: ANIONS** Analyst: CAS Chloride 1200 6/29/2020 11:30:26 AM 60 mg/Kg 20 **EPA METHOD 8260B: VOLATILES SHORT LIST** Analyst: JMR Benzene 0.12 mg/Kg 5 6/29/2020 6:03:28 PM 2.1 Toluene 55 2.4 mg/Kg 50 6/30/2020 5:02:07 AM Ethvlbenzene 34 2.4 mg/Kg 50 6/30/2020 5:02:07 AM Xylenes, Total 140 4.8 mg/Kg 50 6/30/2020 5:02:07 AM Surr: 1.2-Dichloroethane-d4 111 70-130 %Rec 5 6/29/2020 6:03:28 PM Surr: 4-Bromofluorobenzene 65.9 70-130 S %Rec 5 6/29/2020 6:03:28 PM Surr: Dibromofluoromethane 103 70-130 %Rec 5 6/29/2020 6:03:28 PM Surr: Toluene-d8 109 70-130 %Rec 5 6/29/2020 6:03:28 PM **EPA METHOD 8015D MOD: GASOLINE RANGE** Analyst: JMR Gasoline Range Organics (GRO) 3000 6/30/2020 5:02:07 AM 240 mg/Kg 50 Surr: BFB 103 70-130 %Rec 50 6/30/2020 5:02:07 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to MatrixH Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Client: Project:	Lucid I Rivers	Energy Delaware ide 8"					
Sample ID:	MB-53383	SampType: mblk	Tes	tCode: EPA Method	300.0: Anions		
Client ID:	PBS	Batch ID: 53383	F	RunNo: 70007			
Prep Date:	6/29/2020	Analysis Date: 6/29/2	020 5	SeqNo: 2432186	Units: mg/Kg		
Analyte		Result PQL SP	K value SPK Ref Val	%REC LowLimit	HighLimit %RPD	RPDLimit	Qual
Chloride		ND 1.5					
Sample ID:	LCS-53383	SampType: Ics	Tes	tCode: EPA Method	300.0: Anions		
Client ID:	LCSS	Batch ID: 53383	F	RunNo: 70007			
Prep Date:	6/29/2020	Analysis Date: 6/29/2	0 20 S	SeqNo: 2432187	Units: mg/Kg		
Analyte		Result PQL SP	K value SPK Ref Val	%REC LowLimit	HighLimit %RPD	RPDLimit	Qual
Chloride		14 1.5	15.00 0	93.0 90	110		

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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2006C76

01-Jul-20

Client: L Project: R	ucid Energy Delaward iverside 8"	e								
Sample ID: LCS-5337	'0 SampType	: LCS	5	Test	Code: EF	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID: LCSS	Batch ID	Batch ID: 53370 RunNo: 69983								
Prep Date: 6/28/202	0 Analysis Date	6/29	9/2020	S	eqNo: 24	431104	Units: mg/K	g		
Analyte	Result P	QL :	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DR	0) 61	10	50.00	0	122	70	130			
Surr: DNOP	5.8		5.000		115	55.1	146			
Sample ID: MB-53370) SampType	: MBL	_K	Test	Code: EF	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID: PBS	Batch ID	5337	70	R	unNo: 69	9983				
Prep Date: 6/28/202	0 Analysis Date	6/29	9/2020	S	eqNo: 24	131105	Units: mg/K	g		
Analyte	Result P	QL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DR	0) ND	10								
Motor Oil Range Organics (MRO) ND	50								
Surr: DNOP	14		10.00		136	55.1	146			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

2006C76

01-Jul-20

Client:	Lucid En	ergy Delaw	vare								
Project:	Riverside	8"									
Sample ID:	mb-53369	SampT	vpe: ME	BLK	TestCode: EPA Method 8260B: Volatiles Short List						
Client ID:	PBS	Batch	ID: 533	369	F	RunNo: 69	9997				
Prep Date:	6/28/2020	Analysis Da	ate: 6/ 2	29/2020	S	SeqNo: 24	431673	Units: mg/K	ſg		
Analvte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HiahLimit	%RPD	RPDLimit	Qual
Benzene		ND	0.025					3		-	
Toluene		ND	0.050								
Ethylbenzene		ND	0.050								
Xvlenes Total		ND	0.10								
Surr 12-Dic	hloroethane-d4	0.54	0.10	0 5000		108	70	130			
Surr: 4-Brom		0.04		0.5000		98.0	70	130			
Surr: Dibrom	ofluoromethane	0.40		0.5000		112	70	130			
Surr: Toluon	o-48	0.50		0.5000		105	70	130			
	e-00	0.52		0.3000		105	10	150			
Sample ID:	lcs-53369	SampTy	ype: LC	S4	Tes	tCode: EF	PA Method	8260B: Volat	iles Short	List	
Client ID:	BatchQC	Batch	ID: 533	369	F	RunNo: 69	9997				
Prep Date:	6/28/2020	Analysis Da	ate: 6/ 2	29/2020	S	SeqNo: 24	431674	Units: mg/K	(g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		1.1	0.025	1.000	0	111	80	120			
Toluene		1.0	0.050	1.000	0	102	80	120			
Ethylbenzene		1.0	0.050	1.000	0	104	80	120			
Xylenes, Total		3.2	0.10	3.000	0	106	80	120			
Surr: 1,2-Dic	hloroethane-d4	0.53		0.5000		106	70	130			
Surr: 4-Brom	ofluorobenzene	0.47		0.5000		94.8	70	130			
Surr: Dibrom	ofluoromethane	0.54		0.5000		108	70	130			
Surr: Toluene	e-d8	0.52		0.5000		104	70	130			
Sample ID:	2006c76-002ams	SampTy	ype: MS	64	TestCode: EPA Method 8260B: Volatiles Short List						
Client ID:	SW.2.N.C	Batch	ID: 533	369	F	anNo: 6	9997				
Prep Date:	6/28/2020	Analysis Da	ate: 6/2	29/2020	S	SeqNo: 24	431679	Units: mg/K	(g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		5.9	0.12	0.9355	4.108	196	71.1	115			S
Toluene		66	0.23	0.9355	57.87	879	79.6	132			ES
Ethylbenzene		35	0.23	0.9355	31.50	399	83.8	134			ES
Xylenes, Total		140	0.47	14.03	126.8	82.9	82.4	132			Е
Surr: 1,2-Dic	hloroethane-d4	2.7		2.339		118	70	130			
Surr: 4-Brom	ofluorobenzene	1.4		2.339		62.0	70	130			S
Surr: Dibrom	ofluoromethane	2.4		2.339		102	70	130			
Surr: Toluen	e-d8	2.4		2.339		102	70	130			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

2006C76

01-Jul-20

Client:	Lucid Energy Delaware
Project:	Riverside 8"

Sample ID: 2006c76-002amsd	SampT	Гуре: МS	SD4	TestCode: EPA Method 8260B: Volatiles Short List						
Client ID: SW.2.N.C	Batch ID: 53369			RunNo: 69997						
Prep Date: 6/28/2020	Analysis Date: 6/29/2020			5	SeqNo: 2	431680	Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	5.4	0.12	0.9506	4.108	133	71.1	115	10.1	20	S
Toluene	65	0.24	0.9506	57.87	771	79.6	132	1.36	20	ES
Ethylbenzene	36	0.24	0.9506	31.50	465	83.8	134	1.92	20	ES
Xylenes, Total	150	0.48	14.26	126.8	128	82.4	132	4.64	20	Е
Surr: 1,2-Dichloroethane-d4	2.7		2.376		114	70	130	0	0	
Surr: 4-Bromofluorobenzene	1.6		2.376		66.8	70	130	0	0	S
Surr: Dibromofluoromethane	2.4		2.376		102	70	130	0	0	
Surr: Toluene-d8	2.6		2.376		108	70	130	0	0	

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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WO#: 2006C76

01-Jul-20

Client: Project:	Lucid En Riverside	ergy Delav 8"	ware									
Sample ID:	mb-53369	Samp	Гуре: МІ	BLK	TestCode: EPA Method 8015D Mod: Gasoline Range							
Client ID:	PBS	Batch ID: 53369			RunNo: 69997							
Prep Date:	6/28/2020	Analysis Date: 6/29/2020			SeqNo: 2431702			Units: mg/Kg				
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Gasoline Rang	e Organics (GRO)	ND	5.0									
Surr: BFB		490		500.0		98.4	70	130				
Sample ID:	lcs-53369	Samp	Гуре: LC	s	TestCode: EPA Method 8015D Mod: Gasoline Range							
Client ID:	LCSS	Batch ID: 53369			F	RunNo: 69997						
Prep Date:	6/28/2020	Analysis Date: 6/29/2020			S	SeqNo: 2	431703	Units: mg/Kg				
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Gasoline Rang	e Organics (GRO)	19	5.0	25.00	0	76.4	70	130				
Surr: BFB		480		500.0		96.3	70	130				
Sample ID:	2006c76-001ams	D01ams SampType: MS TestCode: EPA Method 8015D Mod: Gasoline Range										
Client ID:	B.1.C	Batc	h ID: 53	369	RunNo: 69997							
Prep Date:	6/28/2020	Analysis Date: 6/29/2020			SeqNo: 2431706			Units: mg/Kg				
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Gasoline Rang	je Organics (GRO)	3900	24	119.7	3622	228	70	130			ES	
Surr: BFB		2800		2395		119	70	130				
Sample ID: 2006c76-001amsd SampType: MSD TestCode: EPA Method 8015D Mod: Gasoline Range												
Client ID:	B.1.C	Batc	h ID: 53	369	RunNo: 69997							
Prep Date:	6/28/2020	Analysis I	Date: 6/	/29/2020	S	431707	Units: mg/Kg					
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Gasoline Rang	e Organics (GRO)	4100	24	117.7	3622	377	70	130	4.29	20	ES	
Surr: BFB		2700		2354		117	70	130	0	0		

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 8 of 8

2006C76

01-Jul-20
.

HALL ENVIRONMENTAL ANALYSIS LABORATORY	Hall Environment A. TEL: 505-345-39 Website: clients.	tal Analysis Lat 4901 Haw Ibuquerque, NN 75 FAX: 505-3- hallenvironmer	voratory kins NE 187109 Sar 15-4107 utal.com	Sample Log-In Check List				
Client Name: Lucid Energy Delaware	Work Order Number	er: 2006C76		RcptNo: 1				
Received By: Juan Rojas	6/25/2020 9:40:00 A	м	(Juans g	-				
Completed By: Juan Rojas Reviewed By: My OU 25	6/25/2020 10:17:54 / JD	АМ	Guarra g					
Chain of Custody		_	_	_				
1. Is Chain of Custody complete?		Yes 🗹	No 🗌	Not Present				
2. How was the sample delivered?		<u>Courier</u>						
Log In 3. Was an attempt made to cool the samples	s?	Yes 🗹	No 🗌					
4. Were all samples received at a temperatu	re of >0° C to 6.0°C	Yes 🔽	No 🗌					
5. Sample(s) in proper container(s)?		Yes 🗹	No 🗌					
6. Sufficient sample volume for indicated test	t(s)?	Yes 🔽	No 🗌					
7. Are samples (except VOA and ONG) prop	erly preserved?	Yes 🖌	No 🗌					
8. Was preservative added to bottles?		Yes 🗌	No 🔽	NA 🗌				
9. Received at least 1 vial with headspace <1	/4" for AQ VOA?	Yes	No 🗌					
10. Were any sample containers received bro	ken?	Yes	No 🔽		- 2			
11. Does paperwork match bottle labels?		Yes 🔽	No 🗌	# of preserved bottles checked for pH: (<2 or >12 unless no	ted)			
12. Are matrices correctly identified on Chain of	of Custody?	Yes 🗹	No 🗌	Adjusted?				
13. Is it clear what analyses were requested?	995 - 2000-2008-995-996-99 - 382	Yes 🗹	No 🗌	100				
 Were all holding times able to be met? (If no, notify customer for authorization.) 		Yes 🖌	No 🗌	Checked by: 5946	125-20			
<u>Special Handling (if applicable)</u>								
15. Was client notified of all discrepancies wit	h this order?	Yes 🗌	No 🗌	NA 🔽				
Person Notified:	Date							
By Whom:	Via:	eMail] Phone 🗌 Fax	In Person				
Regarding:								
Client Instructions:								
16. Additional remarks:								
17. <u>Cooler Information</u>								
Cooler No Temp °C Condition 1 1.6 Good	Seal Intact Seal No	Seal Date	Signed By					
2 2.3 Good				-				
				4				

Page 1 of 1

Received by OCD: 10/29/202	11:21:33 AM	Page 38 of 140
HALL ENVIRONMENTAL ANALYSIS LABORATORY www.hallenvironmental.com awkins NE - Albuquerque, NM 87109 15-345-3975 Fax 505-345-4107	EDB (Method 504.1) EDB (Method 504.1) PH4s by 8310 or 8270SIMS RCRA 8 Metals RCRA 9	b-contracted data will be clearly notated on the analytical report.
901 H	8081 Pesticides/8082 PCB's	<pre></pre>
		emarl (emarl
Turn-Around Time: Sday X Standard D Rush Project Name: R i U ersid e 8" Project #:	Project Manager: Sampler: M S Sampler: M S On Ice: Et Yes D No # of Coolers: 2 Cooler Temp(induding cf): 1,64 v 2,16 Type and # Type Type and # Type Container Preservative 2: 4 v 2, 16 Cooler Temp(induding cf): 1,64 v 2,16 Cooler Temp(induding cf): 1,64 v 2,00 Cooler Temp(indudi	Received by: Via: Date Time R Received by: Via: Date Time R Received by: Via: Date Time 4:40 00001/200 6 2571/0 4:40
Client: Lucid Energy Mailing Address: ON Pile	email or Fax#: mg curt @ lucid.energy.cor aArac Package: aArac Package: aArac Package: aArac Package: aArac Package: Bata Time Inbox Bate Inbox Abre Bate Time Matrix Sample Name Abre Inbo Spin Abre Inbo Spin Inbo Inbo Inbo Inbo S	Date: Time: Relinquished by: CAU 143 G AAAAAAA Date: Time: Relinquished by: Mate: Time: Relinquished by: Mate: 1940 Mate: If necessary, samples submitted to Hall Environmental may be st



July 22, 2020

Michael Gant Lucid Energy Delaware 201 South 4th St. Artesia, NM 88210 TEL: (575) 513-8988 FAX

OrderNo.: 2007726

Hall Environmental Analysis Laboratory

TEL: 505-345-3975 FAX: 505-345-4107

Website: clients.hallenvironmental.com

4901 Hawkins NE

Albuquerque, NM 87109

RE: Riverside

Dear Michael Gant:

Hall Environmental Analysis Laboratory received 5 sample(s) on 7/15/2020 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

2007726-001

Riverside

Project:

Lab ID:

Analytical Report Lab Order 2007726

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 7/22/2020 Client Sample ID: SW.1.N.C Collection Date: 7/14/2020 11:30:00 AM

Received Date: 7/15/2020 9:30:00 AM

Analyses	Result	RL Qua	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGA	NICS				Analyst: JME
Diesel Range Organics (DRO)	1000	20	mg/Kg	2	7/19/2020 6:09:09 AM
Motor Oil Range Organics (MRO)	500	98	mg/Kg	2	7/19/2020 6:09:09 AM
Surr: DNOP	94.2	55.1-146	%Rec	2	7/19/2020 6:09:09 AM
EPA METHOD 300.0: ANIONS					Analyst: CAS
Chloride	1400	59	mg/Kg	20	7/18/2020 12:29:51 PM
EPA METHOD 8260B: VOLATILES SHORT LIST					Analyst: DJF
Benzene	ND	0.12	mg/Kg	5	7/17/2020 1:27:34 PM
Toluene	ND	0.23	mg/Kg	5	7/17/2020 1:27:34 PM
Ethylbenzene	ND	0.23	mg/Kg	5	7/17/2020 1:27:34 PM
Xylenes, Total	0.62	0.46	mg/Kg	5	7/17/2020 1:27:34 PM
Surr: 1,2-Dichloroethane-d4	93.9	70-130	%Rec	5	7/17/2020 1:27:34 PM
Surr: 4-Bromofluorobenzene	91.1	70-130	%Rec	5	7/17/2020 1:27:34 PM
Surr: Dibromofluoromethane	96.1	70-130	%Rec	5	7/17/2020 1:27:34 PM
Surr: Toluene-d8	93.7	70-130	%Rec	5	7/17/2020 1:27:34 PM
EPA METHOD 8015D MOD: GASOLINE RANGE					Analyst: DJF
Gasoline Range Organics (GRO)	ND	23	mg/Kg	5	7/17/2020 1:27:34 PM
Surr: BFB	109	70-130	%Rec	5	7/17/2020 1:27:34 PM

Matrix: SOIL

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- н
- Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit PQL
- Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

- Analyte detected in the associated Method Blank в
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 1 of 12

Riverside

Diesel Range Organics (DRO)

2007726-002

Project:

Lab ID:

Analyses

Analytical Report Lab Order 2007726

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 7/22/2020 Client Sample ID: SW.2.E.C

CLIENT: Lucid Energy Delaware Collection Date: 7/14/2020 11:32:00 AM Matrix: SOIL Received Date: 7/15/2020 9:30:00 AM Result **RL** Qual Units DF **Date Analyzed EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: BRM 7/17/2020 5:54:30 PM 3500 96 mg/Kg 10 1000 480 ma/Ka 10 7/17/2020 5:54:30 PM

Motor Oil Range Organics (MRO)	1000	480		mg/Kg	10	7/17/2020 5:54:30 PM
Surr: DNOP	0	55.1-146	S	%Rec	10	7/17/2020 5:54:30 PM
EPA METHOD 300.0: ANIONS						Analyst: CAS
Chloride	680	60		mg/Kg	20	7/18/2020 12:42:11 PM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: DJF
Benzene	ND	0.12		mg/Kg	5	7/17/2020 3:57:53 PM
Toluene	0.86	0.24		mg/Kg	5	7/17/2020 3:57:53 PM
Ethylbenzene	1.4	0.24		mg/Kg	5	7/17/2020 3:57:53 PM
Xylenes, Total	8.1	0.48		mg/Kg	5	7/17/2020 3:57:53 PM
Surr: 1,2-Dichloroethane-d4	89.5	70-130		%Rec	5	7/17/2020 3:57:53 PM
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	5	7/17/2020 3:57:53 PM
Surr: Dibromofluoromethane	94.5	70-130		%Rec	5	7/17/2020 3:57:53 PM
Surr: Toluene-d8	96.4	70-130		%Rec	5	7/17/2020 3:57:53 PM
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: DJF
Gasoline Range Organics (GRO)	200	24		mg/Kg	5	7/17/2020 3:57:53 PM
Surr: BFB	110	70-130		%Rec	5	7/17/2020 3:57:53 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

- в Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 2 of 12

Analytical Report Lab Order 2007726

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 7/22/2020
Client Sample ID: SW.3.S.C

Project:	Riverside		C	ollecti	on Date:	7/14/2	2020 11:35:00 AM					
Lab ID:	2007726-003	Matrix: SOIL	Received Date: 7/15/2020 9:30:00 AM									
Analyses		Result	RL	Qual	Units	DF	Date Analyzed					
EPA ME	THOD 8015M/D: DIESEL R	ANGE ORGANICS					Analyst: BRM					
Diesel F	Range Organics (DRO)	7000	94		mg/Kg	10	7/17/2020 6:04:55 PM					
Motor O	il Range Organics (MRO)	3200	470		mg/Kg	10	7/17/2020 6:04:55 PM					
Surr:	DNOP	0	55.1-146	S	%Rec	10	7/17/2020 6:04:55 PM					
EPA ME	THOD 300.0: ANIONS						Analyst: CAS					
Chloride)	540	60		mg/Kg	20	7/18/2020 12:54:32 PM					
EPA ME	THOD 8260B: VOLATILES	SHORT LIST					Analyst: DJF					
Benzen	e	0.16	0.12		mg/Kg	5	7/17/2020 4:28:00 PM					
Toluene		3.1	0.24		mg/Kg	5	7/17/2020 4:28:00 PM					
Ethylbei	nzene	1.8	0.24		mg/Kg	5	7/17/2020 4:28:00 PM					
Xylenes	, Total	8.4	0.47		mg/Kg	5	7/17/2020 4:28:00 PM					
Surr:	1,2-Dichloroethane-d4	94.0	70-130		%Rec	5	7/17/2020 4:28:00 PM					
Surr:	4-Bromofluorobenzene	106	70-130		%Rec	5	7/17/2020 4:28:00 PM					
Surr:	Dibromofluoromethane	97.7	70-130		%Rec	5	7/17/2020 4:28:00 PM					
Surr:	Toluene-d8	95.0	70-130		%Rec	5	7/17/2020 4:28:00 PM					
EPA ME	THOD 8015D MOD: GASOI	INE RANGE					Analyst: DJF					
Gasolin	e Range Organics (GRO)	230	24		mg/Kg	5	7/17/2020 4:28:00 PM					
Surr:	BFB	106	70-130		%Rec	5	7/17/2020 4:28:00 PM					

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- Value exceeds Maximum Contaminant Level.
 Sample Diluted Due to Matrix
- D Sample Diluted Due to MatrixH Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Riverside

Project:

Analytical Report Lab Order 2007726

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 7/22/2020

Client Sample ID: SW.4.W.C Collection Date: 7/14/2020 11:40:00 AM Received Date: 7/15/2020 9:30:00 AM

Lab ID: 2007726-004	Matrix: SOIL	R	leceiv	ed Date:	7/15/2	020 9:30:00 AM
Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANG	E ORGANICS					Analyst: BRM
Diesel Range Organics (DRO)	5100	91		mg/Kg	10	7/17/2020 8:06:42 PM
Motor Oil Range Organics (MRO)	1800	450		mg/Kg	10	7/17/2020 8:06:42 PM
Surr: DNOP	0	55.1-146	S	%Rec	10	7/17/2020 8:06:42 PM
EPA METHOD 300.0: ANIONS						Analyst: CAS
Chloride	880	60		mg/Kg	20	7/18/2020 1:06:51 PM
EPA METHOD 8260B: VOLATILES SHO	RT LIST					Analyst: DJF
Benzene	0.36	0.12		mg/Kg	5	7/17/2020 4:58:03 PM
Toluene	8.8	0.25		mg/Kg	5	7/17/2020 4:58:03 PM
Ethylbenzene	8.1	0.25		mg/Kg	5	7/17/2020 4:58:03 PM
Xylenes, Total	31	0.50		mg/Kg	5	7/17/2020 4:58:03 PM
Surr: 1,2-Dichloroethane-d4	88.9	70-130		%Rec	5	7/17/2020 4:58:03 PM
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	5	7/17/2020 4:58:03 PM
Surr: Dibromofluoromethane	92.7	70-130		%Rec	5	7/17/2020 4:58:03 PM
Surr: Toluene-d8	94.8	70-130		%Rec	5	7/17/2020 4:58:03 PM
EPA METHOD 8015D MOD: GASOLINE	RANGE					Analyst: DJF
Gasoline Range Organics (GRO)	850	25		mg/Kg	5	7/17/2020 4:58:03 PM
Surr: BFB	99.2	70-130		%Rec	5	7/17/2020 4:58:03 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- н
- Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

- Analyte detected in the associated Method Blank в
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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Project: Riverside

Analytical Report Lab Order 2007726

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 7/22/2020

Client Sample ID: B.5.C Collection Date: 7/14/2020 11:45:00 AM Pageived Date: 7/15/2020 0.20.00 AM

Lab ID: 2007726-005	Matrix: SOIL	Recei	ived Date:	7/15/2	020 9:30:00 AM
Analyses	Result	RL Qua	d Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANG	E ORGANICS				Analyst: JME
Diesel Range Organics (DRO)	7400	190	mg/Kg	20	7/19/2020 9:47:08 AM
Motor Oil Range Organics (MRO)	3100	970	mg/Kg	20	7/19/2020 9:47:08 AM
Surr: DNOP	0	55.1-146 S	%Rec	20	7/19/2020 9:47:08 AM
EPA METHOD 300.0: ANIONS					Analyst: JMT
Chloride	2100	150	mg/Kg	50	7/19/2020 11:02:55 PM
EPA METHOD 8260B: VOLATILES SHO	ORT LIST				Analyst: DJF
Benzene	ND	0.11	mg/Kg	5	7/17/2020 6:28:23 PM
Toluene	1.7	0.23	mg/Kg	5	7/17/2020 6:28:23 PM
Ethylbenzene	1.2	0.23	mg/Kg	5	7/17/2020 6:28:23 PM
Xylenes, Total	5.8	0.46	mg/Kg	5	7/17/2020 6:28:23 PM
Surr: 1,2-Dichloroethane-d4	91.8	70-130	%Rec	5	7/17/2020 6:28:23 PM
Surr: 4-Bromofluorobenzene	102	70-130	%Rec	5	7/17/2020 6:28:23 PM
Surr: Dibromofluoromethane	96.0	70-130	%Rec	5	7/17/2020 6:28:23 PM
Surr: Toluene-d8	95.7	70-130	%Rec	5	7/17/2020 6:28:23 PM
EPA METHOD 8015D MOD: GASOLINE	RANGE				Analyst: DJF
Gasoline Range Organics (GRO)	220	23	mg/Kg	5	7/17/2020 6:28:23 PM
Surr: BFB	111	70-130	%Rec	5	7/17/2020 6:28:23 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- н
- Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

- Analyte detected in the associated Method Blank в
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 5 of 12

Client: Project:	Lu Riv	cid Energy Delav verside	ware								
Sample ID: Client ID:	MB-53800 PBS	SampT Batcl	ype: ml	olk 800	Test	tCode: EP	A Method	300.0: Anion	S		
Prep Date:	7/18/2020	Analysis D	Date: 7/	18/2020	S	SeqNo: 24	49188	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		ND	1.5								
Sample ID:	LCS-53800	SampT	ype: Ics	6	Tes	tCode: EP	A Method	300.0: Anion	s		
Client ID:	LCSS	Batch	n ID: 53	800	R	RunNo: 70	443				
Prep Date:	7/18/2020	Analysis D	Date: 7/	18/2020	S	SeqNo: 24	49189	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		14	1.5	15.00	0	92.6	90	110			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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22-Jul-20

Client: Lucid E	Energy Delaware			
Project: Riversic	de			
Sample ID: MB-53750	SampType: MBLK	TestCode: EPA Method	8015M/D: Diesel Range Organics	
Client ID: PBS	Batch ID: 53750	RunNo: 70416		
Prep Date: 7/16/2020	Analysis Date: 7/17/2020	SeqNo: 2448420	Units: mg/Kg	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit Q	ual
Diesel Range Organics (DRO)	ND 10			
Motor Oil Range Organics (MRO) Surr: DNOP	ND 50 11 10.00	112 55 1	146	
	11 10.00	112 00.1	140	
Sample ID: LCS-53750	SampType: LCS	TestCode: EPA Method	8015M/D: Diesel Range Organics	
Client ID: LCSS	Batch ID: 53750	RunNo: 70415		
Prep Date: 7/16/2020	Analysis Date: 7/17/2020	SeqNo: 2448671	Units: mg/Kg	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit Q	ual
Diesel Range Organics (DRO)	48 10 50.00	0 97.0 70	130	
	4.0 5.000	75.0 55.1	140	
Sample ID: MB-53759	SampType: MBLK	TestCode: EPA Method	8015M/D: Diesel Range Organics	
Client ID: PBS	Batch ID: 53759	RunNo: 70415		
Prep Date: 7/16/2020	Analysis Date: 7/17/2020	SeqNo: 2448672	Units: %Rec	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit Q	ual
Surr: DNOP	10 10.00	104 55.1	146	
Sample ID: LCS-53759	SampType: LCS	TestCode: EPA Method	8015M/D: Diesel Range Organics	
Client ID: LCSS	Batch ID: 53759	RunNo: 70415		
Prep Date: 7/16/2020	Analysis Date: 7/17/2020	SeqNo: 2448673	Units: %Rec	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit Q	ual
Surr: DNOP	5.0 5.000	99.9 55.1	146	
Sample ID: LCS-53748	SampType: LCS	TestCode: EPA Method	8015M/D: Diesel Range Organics	
Client ID: LCSS	Batch ID: 53748	RunNo: 70428		
Prep Date: 7/16/2020	Analysis Date: 7/17/2020	SeqNo: 2448823	Units: mg/Kg	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit Q	ual
Diesel Range Organics (DRO)	49 10 50.00	0 97.1 70	130	
Surr: DNOP	4.7 5.000	93.1 55.1	146	
Sample ID: MB-53748	SampType: MBLK	TestCode: EPA Method	8015M/D: Diesel Range Organics	
Client ID: PBS	Batch ID: 53748	RunNo: 70428		
Prep Date: 7/16/2020	Analysis Date: 7/17/2020	SeqNo: 2448824	Units: mg/Kg	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit Q	ual
Diesel Range Organics (DRO)	ND 10			

Qualifiers:

* Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

- PQL Practical Quanitative Limit
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- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

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22-Jul-20

WO#:

Client:	Lucid En	ergy Delawa	are								
Project:	Riverside	;									
Sample ID:	MB-53748	SampTy	oe: M	BLK	Tes	tCode: El	PA Method	8015M/D: Die:	sel Rang	e Organics	
Client ID:	PBS	Batch I	D: 53	748	F	RunNo: 7	0428				
Prep Date:	7/16/2020	Analysis Da	te: 7	/17/2020	S	SeqNo: 2	448824	Units: mg/Kg	J		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Motor Oil Rang Surr: DNOP	ge Organics (MRO)	ND 9.4	50	10.00		94.5	55.1	146			
Sample ID:	MB-53768	SampTy	oe: M	BLK	Tes	tCode: El	PA Method	8015M/D: Die:	sel Rang	e Organics	
Client ID:	PBS	Batch I	D: 53	768	F	RunNo: 7	0449				
Prep Date:	7/16/2020	Analysis Da	te: 7	/18/2020	5	SeqNo: 2	450409	Units: %Rec			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP		8.6		10.00		86.2	55.1	146			
Sample ID:	LCS-53768	SampTy	be: LC	s	Tes	tCode: El	PA Method	8015M/D: Die	sel Rang	e Organics	
Client ID:	LCSS	Batch I	D: 53	768	F	RunNo: 7	0449				
Prep Date:	7/16/2020	Analysis Da	te: 7	/18/2020	S	SeqNo: 2	450412	Units: %Rec			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP		4.1		5.000		82.6	55.1	146			

Qualifiers:

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- P Sample pH Not In Range
- RL Reporting Limit

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22-Jul-20

Client:	Lucid H	Energy Delay	ware								
Project:	Riversi	de									
Sample ID: mt	b-53736	SampT	ype: ME	BLK	Tes	tCode: EF	PA Method	8260B: Volat	iles Short	List	
Client ID: PE	BS	Batcl	n ID: 53	736	F	RunNo: 7	0397				
Prep Date: 7	/15/2020	Analysis E	Date: 7/	16/2020	S	SeqNo: 24	447161	Units: mg/k	(g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		ND	0.025					0			
Toluene		ND	0.050								
Ethylbenzene		ND	0.050								
Xvlenes, Total		ND	0.10								
Surr: 1 2-Dichlor	oethane-d4	0.46		0.5000		92.2	70	130			
Surr: 4-Bromoflu	lorobenzene	0.48		0.5000		96.5	70	130			
Surr: Dibromoflu	oromethane	0.40		0.0000		94.7	70	130			
Surr: Toluene-da		0.47		0.5000		09.7	70	130			
)	0.43		0.3000		90.0	70	150			
Sample ID: Ics	s-53736	SampT	ype: LC	S4	Tes	tCode: EF	PA Method	8260B: Volat	iles Short	List	
Client ID: Ba	atchQC	Batcl	n ID: 537	736	RunNo: 70397						
Prep Date: 7	/15/2020	Analysis D	Date: 7/	16/2020	SeqNo: 2447162			Units: mg/k	(g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		1.1	0.025	1.000	0	107	80	120			
Toluene		1.0	0.050	1.000	0	104	80	120			
Ethylbenzene		1.1	0.050	1.000	0	107	80	120			
Xylenes, Total		3.2	0.10	3.000	0	107	80	120			
Surr: 1,2-Dichlor	oethane-d4	0.46		0.5000		91.5	70	130			
Surr: 4-Bromoflu	iorobenzene	0.49		0.5000		98.7	70	130			
Surr: Dibromoflu	oromethane	0.49		0.5000		97.2	70	130			
Surr: Toluene-d8	3	0.48		0.5000		96.9	70	130			
Sample ID: mt	b-53742	SampT	уре: МЕ	BLK	Tes	tCode: EF	PA Method	8260B: Volat	iles Short	List	
Client ID: PE	BS	Batcl	h ID: 53	742	F	RunNo: 7	0437				
Prep Date: 7	/15/2020	Analysis D	Date: 7/	17/2020	S	SeqNo: 24	448594	Units: mg/k	ſg		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		ND	0.025								
Toluene		ND	0.050								
Ethylbenzene		ND	0.050								
Xylenes, Total		ND	0.10								
Surr: 1.2-Dichlor	oethane-d4	0.51		0.5000		101	70	130			
Surr: 4-Bromoflu	lorobenzene	0.47		0.5000		94.8	70	130			
Surr: Dibromoflu	oromethane	0.51		0 5000		102	70	130			
Surr: Toluone-de	2	0.01 0.48		0.5000		96.8	70	120			
		0.40		0.0000		50.0	10	150			

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- RL Reporting Limit

WO#: 2007726 22-Jul-20

Client: Lucid Er	nergy Delay	ware								
Project: Riverside	e									
Sample ID: Ics-53742	Samp	Гуре: LC	S4	Tes	tCode: EF	PA Method	8260B: Volat	tiles Short	List	
Client ID: BatchQC	Batc	h ID: 537	742	F	RunNo: 7	0437				
Prep Date: 7/15/2020	Analysis [Date: 7/	17/2020	5	SeqNo: 24	448595	Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.1	0.025	1.000	0	108	80	120			
Toluene	1.0	0.050	1.000	0	104	80	120			
Ethylbenzene	1.0	0.050	1.000	0	103	80	120			
Xylenes, Total	3.1	0.10	3.000	0	103	80	120			
Surr: 1,2-Dichloroethane-d4	0.50		0.5000		99.3	70	130			
Surr: 4-Bromofluorobenzene	0.48		0.5000		95.0	70	130			
Surr: Dibromofluoromethane	0.52		0.5000		105	70	130			
Surr: Toluene-d8	0.49		0.5000		97.1	70	130			
Sample ID: 2007726-004ams	Samp	Гуре: МS	4	Tes	tCode: EF	PA Method	8260B: Volat	tiles Short	List	
Client ID: SW.4.W.C	Batc	h ID: 537	742	F	RunNo: 7	0437				
Prep Date: 7/15/2020	Analysis [Date: 7/	17/2020	S	SeqNo: 2448597 Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.2	0.12	0.9302	0.3562	95.9	71.1	115			
Toluene	9.2	0.23	0.9302	8.837	38.5	79.6	132			S
Ethylbenzene	8.7	0.23	0.9302	8.119	66.9	83.8	134			S
Xylenes, Total	32	0.47	2.791	31.23	44.2	82.4	132			S
Surr: 1,2-Dichloroethane-d4	2.1		2.326		90.1	70	130			
Surr: 4-Bromofluorobenzene	2.6		2.326		111	70	130			
Surr: Dibromofluoromethane	2.2		2.326		94.8	70	130			
Surr: Toluene-d8	2.2		2.326		94.4	70	130			
Sample ID: 2007726-004ams	d Samp	Гуре: МS	D4	Tes	tCode: EF	PA Method	8260B: Volat	tiles Short	List	
Client ID: SW.4.W.C	Batc	h ID: 537	742	F	RunNo: 7	0437				
Prep Date: 7/15/2020	Analysis [Date: 7/	17/2020	S	SeqNo: 24	448598	Units: mg/k	٢g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.4	0.12	0.9930	0.3562	108	71.1	115	13.3	20	
Toluene	10	0.25	0.9930	8.837	153	79.6	132	11.9	20	S
Ethylbenzene	9.9	0.25	0.9930	8.119	182	83.8	134	12.7	20	S
Xylenes, Total	37	0.50	2.979	31.23	177	82.4	132	11.7	20	S
Surr: 1,2-Dichloroethane-d4	2.3		2.483		91.5	70	130	0	0	
Surr: 4-Bromofluorobenzene	2.5		2.483		102	70	130	0	0	
Surr: Dibromofluoromethane	2.3		2.483		91.7	70	130	0	0	
Surr: Toluene-d8	2.3		2.483		93.5	70	130	0	0	

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- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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22-Jul-20

Client:	Lucid End	ergy Delav	vare								
Project:	Riverside										
Sample ID:	mb-53736	SampT	ype: M	BLK	Tes	tCode: E	PA Method	8015D Mod:	Gasoline	Range	
Client ID:	PBS	Batch	1D: 53	736	F	RunNo: 7	0397				
Prep Date:	7/15/2020	Analysis D	ate: 7	/16/2020	S	SeqNo: 2	447271	Units: mg/H	٢g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Rang Surr: BFB	ge Organics (GRO)	ND 540	5.0	500.0		108	70	130			
Sample ID:	lcs-53736	SampT	ype: LC	cs	Tes	tCode: E	PA Method	8015D Mod:	Gasoline	Range	
Client ID:	LCSS	Batch	ID: 53	736	F	RunNo: 7	0397				
Prep Date:	7/15/2020	Analysis D	ate: 7	/16/2020	S	SeqNo: 2	447272	Units: mg/ł	٢g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Rang	ge Organics (GRO)	23	5.0	25.00	0	93.2	70	130			
Surr: BFB		540		500.0		108	70	130			
Sample ID:	mb-53742	SampT	ype: M	BLK	Tes	tCode: E	PA Method	8015D Mod:	Gasoline	Range	
Client ID:	PBS	Batch	n ID: 53	5742	F	RunNo: 7	0437				
Prep Date:	7/15/2020	Analysis D	ate: 7	/17/2020	S	SeqNo: 2	448615	Units: mg/k	٢g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Rang	ge Organics (GRO)	ND	5.0	500.0			70	100			
Surr: BFB		550		500.0		110	70	130			
Sample ID:	lcs-53742	SampT	ype: L(S	Tes	tCode: E	PA Method	8015D Mod:	Gasoline	Range	
Client ID:	LCSS	Batch	1D: 53	5742	F	RunNo: 7	0437				
Prep Date:	7/15/2020	Analysis D	ate: 7	/17/2020	S	SeqNo: 2	448616	Units: mg/k	٢g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Rang	ge Organics (GRO)	21	5.0	25.00	0	84.8	70	130			
SUIL: RER		540		500.0		107	70	130			
Sample ID:	2007726-005ams	SampT	уре: М	S	Tes	tCode: E	PA Method	8015D Mod:	Gasoline	Range	
Client ID:	B.5.C	Batch	1D: 53	5742	F	RunNo: 7	0437				
Prep Date:	7/15/2020	Analysis D	ate: 7	/17/2020	S	SeqNo: 2	448619	Units: mg/k	٢g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Rang	ge Organics (GRO)	220	25	24.58	215.3	25.1	70	130			S
Sull: RER		2800		2458		112	70	130			
Sample ID:	2007726-005amsd	I SampT	уре: М	SD	Tes	tCode: E	PA Method	8015D Mod:	Gasoline	Range	
Client ID:	B.5.C	Batch	n ID: 53	5742	F	RunNo: 7	0437				
Prep Date:	7/15/2020	Analysis D	ate: 7	/17/2020	S	SeqNo: 2	448620	Units: mg/k	٢g		
							المربط المراجع	Llight insit			Qual

Qualifiers:

* Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range

RL Reporting Limit

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WO#: 2007726 22-Jul-20

Client: Project:	Lucid Ene Riverside	rgy Delawa	e									
Sample ID: 200	7726-005amsd	SampTyp	e: MS	SD	Test	tCode: EF	PA Method	8015D Mod:	Gasoline I	Range		
Client ID: B.5.C Batch ID: 53742					RunNo: 70437							
Prep Date: 7/	15/2020	Analysis Date	: 7/	/17/2020	S	eqNo: 24	448620	Units: mg/K	g			
Analyte		Result I	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Gasoline Range Org	ganics (GRO)	220	24	23.81	215.3	8.26	70	130	1.91	20	S	
Surr: BFB		2700		2381		113	70	130	0	0		

Qualifiers:

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- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

- Analyte detected in the associated Method Blank в
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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2007726

22-Jul-20

HALL Environmental Analysis Laboratory	Hall Environment A. TEL: 505-345-39 Website: clients.	al Analys 490 Ibuquerq 75 FAX: hallenvir	is Labor I Hawkin ue, NM 8 505-345- onmental	atory as NE 17109 San 4107 1.com	npie Log-In Ch	eck List
Client Name: Lucid Energy Delaware	Work Order Number	er: 2007	726		RcptNo: 1]
Received By: Juan Rojas	7/15/2020 9:30:00 A	м		Guans &		
Completed By: Juan Rojas	7/15/2020 10:17:09	AM		Handy		
Reviewed By: UM 7/15/20				7		
<u>Chain of Custody</u>						
1. Is Chain of Custody complete?		Yes	\checkmark	No 🗌	Not Present	
2. How was the sample delivered?		<u>Cour</u>	ier			
Loa In						
3. Was an attempt made to cool the samples?		Yes		No 🗌	NA 🗌	
4. Were all samples received at a temperature of	of >0° C to 6.0°C	Yes		No 🗌	NA 🗌	
5. Sample(s) in proper container(s)?		Yes		No 🗌		
6. Sufficient sample volume for indicated test(s)	?	Yes	✓	No 🗌		
7. Are samples (except VOA and ONG) properly	preserved?	Yes	✓	No 🗌		
8. Was preservative added to bottles?		Yes		No 🗹	NA 🗌	
9. Received at least 1 vial with headspace <1/4"	for AQ VOA?	Yes		No 🗌	NA 🔽	
10, Were any sample containers received broker	?	Yes		No 🗹 🛛	# of preserved bottles checked	
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody)		Yes	✓	No 🗌	for pH:	2 unless noted)
12. Are matrices correctly identified on Chain of C	Sustody?	Yes	✓	No 🗌	Adjusted?	
13. Is it clear what analyses were requested?		Yes		No 🗌		ND 7/154
14. Were all holding times able to be met? (If no, notify customer for authorization.)		Yes	\checkmark	No 🛄		10 4/13/20
Special Handling (if applicable)						
15. Was client notified of all discrepancies with the	iis order?	Yes		No 🗌	NA 🗹	
Person Notified:	Date					
By Whom:	Via:	🗌 eMa	il 🗌 P	hone 🔲 Fax	🗌 in Person	
Regarding:						
Client Instructions:	antinghting and a start water and a start of the second start and a start start and the second start of the se					
16. Additional remarks:						
17. <u>Cooler Information</u>			2005.00 T			
Condition Sea 1 3.9 Good	al Intact Seal No	Seal Da	te	Signed By		

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August 14, 2020

Michael Gant Lucid Energy Delaware 201 South 4th St. Artesia, NM 88210 TEL: (575) 513-8988 FAX: Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: clients.hallenvironmental.com

OrderNo.: 2008274

RE: Riverside

Dear Michael Gant:

Hall Environmental Analysis Laboratory received 5 sample(s) on 8/6/2020 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

Ander

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2008274

Date Reported: 8/14/2020

CLIENT: Lucid Energy Delaware		Client S	Sample ID:	S.S.4'	
Project: Riverside		Collec	ction Date:	8/5/20	20
Lab ID: 2008274-001	Matrix: SOIL	Matrix: SOIL Receiv			20 8:00:00 AM
Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RAN	GE ORGANICS				Analyst: BRM
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	8/11/2020 3:01:47 AM
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	8/11/2020 3:01:47 AM
Surr: DNOP	90.0	30.4-154	%Rec	1	8/11/2020 3:01:47 AM
EPA METHOD 300.0: ANIONS					Analyst: CJS
Chloride	ND	60	mg/Kg	20	8/12/2020 2:37:23 PM
EPA METHOD 8260B: VOLATILES SH	ORT LIST				Analyst: JMR
Benzene	ND	0.023	mg/Kg	1	8/11/2020 6:18:16 AM
Toluene	ND	0.046	mg/Kg	1	8/11/2020 6:18:16 AM
Ethylbenzene	ND	0.046	mg/Kg	1	8/11/2020 6:18:16 AM
Xylenes, Total	ND	0.093	mg/Kg	1	8/11/2020 6:18:16 AM
Surr: 1,2-Dichloroethane-d4	96.0	70-130	%Rec	1	8/11/2020 6:18:16 AM
Surr: 4-Bromofluorobenzene	96.0	70-130	%Rec	1	8/11/2020 6:18:16 AM
Surr: Dibromofluoromethane	108	70-130	%Rec	1	8/11/2020 6:18:16 AM
Surr: Toluene-d8	95.5	70-130	%Rec	1	8/11/2020 6:18:16 AM
EPA METHOD 8015D MOD: GASOLIN	E RANGE				Analyst: JMR
Gasoline Range Organics (GRO)	ND	4.6	mg/Kg	1	8/11/2020 6:18:16 AM
Surr: BFB	99.7	70-130	%Rec	1	8/11/2020 6:18:16 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- Analyte detected below quantitation limits J
- Р Sample pH Not In Range
- RL Reporting Limit

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Hall Environmental Analysis Laboratory, Inc.

Lab Order 2008274

Date Reported: 8/14/2020

CLIENT:	Lucid Energy Delaware		Client S	ample ID:	S.E.4				
Project:	Riverside		Collec	tion Date:	8/5/20	20			
Lab ID:	2008274-002	Matrix: SOIL	Rece	Received Date: 8/6/2020 8:00:00 AM					
Analyses		Result	RL Qua	al Units	DF	Date Analyzed			
EPA MET	HOD 8015M/D: DIESEL RAN	GE ORGANICS				Analyst: BRM			
Diesel R	ange Organics (DRO)	ND	9.4	mg/Kg	1	8/11/2020 3:25:55 AM			
Motor Oi	I Range Organics (MRO)	ND	47	mg/Kg	1	8/11/2020 3:25:55 AM			
Surr: [DNOP	97.1	30.4-154	%Rec	1	8/11/2020 3:25:55 AM			
EPA MET	HOD 300.0: ANIONS					Analyst: CJS			
Chloride		68	60	mg/Kg	20	8/12/2020 3:14:25 PM			
EPA MET	HOD 8260B: VOLATILES SH	ORT LIST				Analyst: JMR			
Benzene		ND	0.025	mg/Kg	1	8/12/2020 1:53:24 PM			
Toluene		ND	0.050	mg/Kg	1	8/12/2020 1:53:24 PM			
Ethylben	zene	ND	0.050	mg/Kg	1	8/12/2020 1:53:24 PM			
Xylenes,	Total	ND	0.099	mg/Kg	1	8/12/2020 1:53:24 PM			
Surr: 1	I,2-Dichloroethane-d4	99.8	70-130	%Rec	1	8/12/2020 1:53:24 PM			
Surr: 4	1-Bromofluorobenzene	101	70-130	%Rec	1	8/12/2020 1:53:24 PM			
Surr: [Dibromofluoromethane	112	70-130	%Rec	1	8/12/2020 1:53:24 PM			
Surr: 1	Foluene-d8	99.5	70-130	%Rec	1	8/12/2020 1:53:24 PM			
EPA MET	HOD 8015D MOD: GASOLIN	E RANGE				Analyst: JMR			
Gasoline	Range Organics (GRO)	ND	5.0	mg/Kg	1	8/12/2020 1:53:24 PM			
Surr: E	3FB	105	70-130	%Rec	1	8/12/2020 1:53:24 PM			

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- Analyte detected below quantitation limits J
- Р Sample pH Not In Range
- RL Reporting Limit

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Hall Environmental Analysis Laboratory, Inc.

Lab Order 2008274

Date Reported: 8/14/2020

CLIENT:	Lucid Energy Delaware		Client S	ample ID:	S.W.4				
Project:	Riverside		Collec	tion Date:	8/5/20	20			
Lab ID:	2008274-003	Matrix: SOIL	Recei	ved Date:	d Date: 8/6/2020 8:00:00 AM				
Analyses		Result	RL Qua	l Units	DF	Date Analyzed			
EPA MET	HOD 8015M/D: DIESEL RAN	GE ORGANICS				Analyst: BRM			
Diesel R	ange Organics (DRO)	ND	9.6	mg/Kg	1	8/11/2020 3:50:06 AM			
Motor Oi	I Range Organics (MRO)	ND	48	mg/Kg	1	8/11/2020 3:50:06 AM			
Surr: I	DNOP	94.4	30.4-154	%Rec	1	8/11/2020 3:50:06 AM			
EPA MET	HOD 300.0: ANIONS					Analyst: CJS			
Chloride		ND	60	mg/Kg	20	8/12/2020 3:26:46 PM			
ΕΡΑ ΜΕΤ	HOD 8260B: VOLATILES SH	ORT LIST				Analyst: JMR			
Benzene		ND	0.023	mg/Kg	1	8/11/2020 7:15:32 AM			
Toluene		ND	0.047	mg/Kg	1	8/11/2020 7:15:32 AM			
Ethylben	zene	ND	0.047	mg/Kg	1	8/11/2020 7:15:32 AM			
Xylenes,	Total	ND	0.094	mg/Kg	1	8/11/2020 7:15:32 AM			
Surr: 7	1,2-Dichloroethane-d4	97.8	70-130	%Rec	1	8/11/2020 7:15:32 AM			
Surr: 4	4-Bromofluorobenzene	102	70-130	%Rec	1	8/11/2020 7:15:32 AM			
Surr: I	Dibromofluoromethane	106	70-130	%Rec	1	8/11/2020 7:15:32 AM			
Surr: 7	Toluene-d8	95.7	70-130	%Rec	1	8/11/2020 7:15:32 AM			
EPA MET	HOD 8015D MOD: GASOLIN	E RANGE				Analyst: JMR			
Gasoline	Range Organics (GRO)	ND	4.7	mg/Kg	1	8/11/2020 7:15:32 AM			
Surr: I	3FB	103	70-130	%Rec	1	8/11/2020 7:15:32 AM			

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- Analyte detected below quantitation limits J
- Р Sample pH Not In Range
- RL Reporting Limit

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Hall Environmental Analysis Laboratory, Inc.

Lab Order 2008274

Date Reported: 8/14/2020

CLIENT:	Lucid Energy Delaware		Client S	Sample ID:	S.N.4'				
Project:	Riverside		Colle	ction Date:	8/5/20	20			
Lab ID:	2008274-004	Matrix: SOIL	Matrix: SOIL Received Date: 8/6/2020 8:00:0						
Analyses		Result	RL Qu	al Units	DF	Date Analyzed			
EPA MET	HOD 8015M/D: DIESEL RAN	GE ORGANICS				Analyst: BRM			
Diesel R	ange Organics (DRO)	ND	9.5	mg/Kg	1	8/11/2020 3:46:38 PM			
Motor Oi	I Range Organics (MRO)	ND	48	mg/Kg	1	8/11/2020 3:46:38 PM			
Surr: I	DNOP	93.1	30.4-154	%Rec	1	8/11/2020 3:46:38 PM			
ΕΡΑ ΜΕΊ	HOD 8015D: GASOLINE RAN	IGE				Analyst: NSB			
Gasoline	Range Organics (GRO)	ND	4.9	mg/Kg	1	8/10/2020 12:59:58 PM			
Surr: I	BFB	101	75.3-105	%Rec	1	8/10/2020 12:59:58 PM			
ΕΡΑ ΜΕΊ	THOD 8021B: VOLATILES					Analyst: NSB			
Benzene	•	ND	0.025	mg/Kg	1	8/10/2020 12:59:58 PM			
Toluene		ND	0.049	mg/Kg	1	8/10/2020 12:59:58 PM			
Ethylben	zene	ND	0.049	mg/Kg	1	8/10/2020 12:59:58 PM			
Xylenes,	Total	ND	0.098	mg/Kg	1	8/10/2020 12:59:58 PM			
Surr: 4	4-Bromofluorobenzene	106	80-120	%Rec	1	8/10/2020 12:59:58 PM			
EPA MET	THOD 300.0: ANIONS					Analyst: CJS			
Chloride		ND	60	mg/Kg	20	8/12/2020 4:03:49 PM			

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit S
 - % Recovery outside of range due to dilution or matrix

- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- Analyte detected below quantitation limits J
- Р Sample pH Not In Range
- RL Reporting Limit

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Hall Environmental Analysis Laboratory, Inc.

Lab Order 2008274

Date Reported: 8/14/2020

CLIENT:	Lucid Energy Delaware		Client S	Sample ID:	B.S.8'	
Project:	Riverside		Colle	ction Date:	8/5/20	20
Lab ID:	2008274-005	Matrix: SOIL	Rece	20 8:00:00 AM		
Analyses		Result	RL Qu	al Units	DF	Date Analyzed
EPA MET	HOD 8015M/D: DIESEL RANG	GE ORGANICS				Analyst: BRM
Diesel Ra	ange Organics (DRO)	ND	9.5	mg/Kg	1	8/11/2020 4:10:35 PM
Motor Oil	Range Organics (MRO)	ND	48	mg/Kg	1	8/11/2020 4:10:35 PM
Surr: E	DNOP	96.2	30.4-154	%Rec	1	8/11/2020 4:10:35 PM
EPA MET	HOD 8015D: GASOLINE RAN	IGE				Analyst: NSB
Gasoline	Range Organics (GRO)	ND	25	mg/Kg	5	8/10/2020 1:23:32 PM
Surr: E	3FB	103	75.3-105	%Rec	5	8/10/2020 1:23:32 PM
EPA MET	HOD 8021B: VOLATILES					Analyst: NSB
Benzene		0.21	0.12	mg/Kg	5	8/10/2020 1:23:32 PM
Toluene		ND	0.25	mg/Kg	5	8/10/2020 1:23:32 PM
Ethylben	zene	ND	0.25	mg/Kg	5	8/10/2020 1:23:32 PM
Xylenes,	Total	ND	0.50	mg/Kg	5	8/10/2020 1:23:32 PM
Surr: 4	I-Bromofluorobenzene	107	80-120	%Rec	5	8/10/2020 1:23:32 PM
EPA MET	HOD 300.0: ANIONS					Analyst: CJS
Chloride		320	60	mg/Kg	20	8/12/2020 4:16:11 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit S
 - % Recovery outside of range due to dilution or matrix

- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- Analyte detected below quantitation limits J
- Р Sample pH Not In Range
- RL Reporting Limit

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Client: Project:	Lucid E Riversic	nergy Delaware le							
Sample ID:	LCS-54363	SampType: Ics		Test	Code: EPA Meth	od 300.0: Anion	s		
Client ID:	LCSS	Batch ID: 5436	63	R	unNo: 71037				
Prep Date:	8/12/2020	Analysis Date: 8/12	2/2020	S	eqNo: 2475462	Units: mg/K	g		
Analyte		Result PQL	SPK value	SPK Ref Val	%REC LowLir	nit HighLimit	%RPD	RPDLimit	Qual
Chloride		14 1.5	15.00	0	93.8	90 110			
Sample ID:	MB-54363	SampType: mbl	k	Test	Code: EPA Meth	od 300.0: Anion	s		
Client ID:	PBS	Batch ID: 5436	63	R	unNo: 71037				
Prep Date:	8/12/2020	Analysis Date: 8/12	2/2020	S	eqNo: 2475463	Units: mg/K	g		
Analyte		Result PQL	SPK value	SPK Ref Val	%REC LowLir	nit HighLimit	%RPD	RPDLimit	Qual
Chloride		ND 1.5							

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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14-Aug-20

Client: Lucid H Project: Riversi	Energy Delaware ide		
Sample ID: LCS-54255	SampType: LCS	TestCode: EPA Method	8015M/D: Diesel Range Organics
Client ID: LCSS	Batch ID: 54255	RunNo: 70976	
Prep Date: 8/7/2020	Analysis Date: 8/10/2020	SeqNo: 2472908	Units: mg/Kg
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit Qual
Diesel Range Organics (DRO) Surr: DNOP	481050.005.05.000	0 96.3 70 100 30.4	130 154
Sample ID: MB-54255	SampType: MBLK	TestCode: EPA Method	8015M/D: Diesel Range Organics
Client ID: PBS	Batch ID: 54255	RunNo: 70976	
Prep Date: 8/7/2020	Analysis Date: 8/11/2020	SeqNo: 2472909	Units: mg/Kg
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit Qual
Diesel Range Organics (DRO)	ND 10		
Motor Oil Range Organics (MRO)	ND 50	56.6 20.4	154
	5.7 10.00	50.0 50.4	134
Sample ID: LCS-54307	SampType: LCS	TestCode: EPA Method	8015M/D: Diesel Range Organics
Client ID: LCSS	Batch ID: 54307	RunNo: 70976	
Prep Date: 8/10/2020	Analysis Date: 8/11/2020	SeqNo: 2473721	Units: %Rec
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit Qual
Surr: DNOP	5.1 5.000	102 30.4	154
Sample ID: MB-54307	SampType: MBLK	TestCode: EPA Method	8015M/D: Diesel Range Organics
Client ID: PBS	Batch ID: 54307	RunNo: 70976	
Prep Date: 8/10/2020	Analysis Date: 8/11/2020	SeqNo: 2473722	Units: %Rec
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit Qual
Surr: DNOP	9.9 10.00	99.2 30.4	154
Sample ID: MB-54302	SampType: MBLK	TestCode: EPA Method	8015M/D: Diesel Range Organics
Client ID: PBS	Batch ID: 54302	RunNo: 71006	
Prep Date: 8/10/2020	Analysis Date: 8/11/2020	SeqNo: 2474010	Units: mg/Kg
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit Qual
Diesel Range Organics (DRO)	ND 10		
Motor Oil Range Organics (MRO)	ND 50	04.6 20.4	154
	9.5 10.00	94.0 50.4	104
Sample ID: LCS-54302	SampType: LCS	TestCode: EPA Method	8015M/D: Diesel Range Organics
Client ID: LCSS	Batch ID: 54302	RunNo: 71006	
Prep Date: 8/10/2020	Analysis Date: 8/11/2020	SeqNo: 2474011	Units: mg/Kg
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit Qual

Qualifiers:

* Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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14-Aug-20

Client:	Lucid Ene	ergy Delawar	e										
Project:	Riverside												
Sample ID:	LCS-54302	SampType	e: LC	S	Tes	TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID:	LCSS	Batch ID	: 54:	302	RunNo: 71006								
Prep Date:	8/10/2020	Analysis Date	: 8/	11/2020	S	SeqNo: 2	474011	Units: mg/K	g				
Analyte		Result F	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Diesel Range C	Organics (DRO)	54	10	50.00	0	107	70	130					
Surr: DNOP		4.8		5.000		96.5	30.4	154					
Sample ID:	D: LCS-54310 SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics												
Client ID:	LCSS	Batch ID	: 54:	310	RunNo: 70976								
Prep Date:	8/10/2020	Analysis Date	: 8/	12/2020	S	SeqNo: 2	474236	Units: %Rec					
Analyte		Result F	QL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Surr: DNOP		4.1		5.000		82.1	30.4	154					
Sample ID:	MB-54310	SampType	e: Me	BLK	Tes	tCode: E	PA Method	8015M/D: Die	sel Rang	e Organics			
Client ID:	PBS	Batch ID	: 54:	310	R	RunNo: 7	0976						
Prep Date:	8/10/2020	Analysis Date	: 8/	12/2020	S	SeqNo: 2	474237	Units: %Rec					
Analyte		Result F	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Surr: DNOP		9.0		10.00		90.4	30.4	154					

Qualifiers:

- Value exceeds Maximum Contaminant Level. *
- D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- в Analyte detected in the associated Method Blank
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range

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14-Aug-20

WO#:

Е Value above quantitation range

- RL Reporting Limit

Client:	Lucid Ene	ergy Delawa	re								
Project:	Riverside										
Sample ID:	mb-54268	SampTyp	e: MI	BLK	TestCode: EPA Method 8015D: Gasoline Range						
Client ID:	PBS	Batch ID: 54268			F	RunNo: 70938					
Prep Date:	8/7/2020	Analysis Dat	e: 8	9/2020	5	SeqNo: 2	470936	Units: mg/Kg	9		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Rang Surr: BFB	je Organics (GRO)	ND 1000	5.0	1000		103	75.3	105			
Sample ID:	lcs-54268	SampTyp	e: LC	s	Tes	tCode: E	PA Method	8015D: Gasol	ine Rang	e	
Client ID:	LCSS	Batch I	D: 54	268	F	RunNo: 7	0938				
Prep Date:	8/7/2020	Analysis Dat	e: 8	9/2020	5	SeqNo: 2	470937	Units: mg/Kg	9		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Rang	e Organics (GRO)	20	5.0	25.00	0	81.1	72.5	106			
Surr: BFB		1100		1000		108	75.3	105			S
Sample ID:	mb-54276	SampTyp	e: MI	BLK	TestCode: EPA Method 8015D: Gasoline Range						
Client ID:	PBS	Batch I	D: 54	276	F	anNo: 7	0956				
Prep Date:	8/8/2020	Analysis Dat	e: 8 /	10/2020	5	SeqNo: 2	471833	Units: %Rec			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB		1000		1000		103	75.3	105			
Sample ID:	lcs-54276	SampTyp	e: LC	s	Tes	tCode: E	PA Method	8015D: Gasol	ine Rang	e	
Client ID:	LCSS	Batch I	D: 54	276	F	RunNo: 7	0956				
Prep Date:	8/8/2020	Analysis Dat	e: 8 /	10/2020	5	SeqNo: 2	471834	Units: %Rec			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB		1100		1000		110	75.3	105			S

Qualifiers:

* Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank

E Value above quantitation range

- J Analyte detected below quantitation limits
- P Sample pH Not In Range

RL Reporting Limit

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14-Aug-20

Client:	Lucid Ene	ergy Dela	ware										
Project:	Riverside	i											
Sample ID:	mb-54268	Samp ⁻	Гуре: М і	BLK	TestCode: EPA Method 8021B: Volatiles								
Client ID:	PBS	Batc	h ID: 54	268	F	RunNo: 70938							
Prep Date:	8/7/2020	Analysis [Date: 8 /	/9/2020	5	SeqNo: 24	471011	Units: mg/k	(g				
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Benzene		ND	0.025										
Toluene		ND	0.050										
Ethylbenzene		ND	0.050										
Xylenes, Total		ND	0.10										
Surr: 4-Brom	nofluorobenzene	1.1		1.000		108	80	120					
Sample ID: LCS-54268 SampType: LCS					Tes	TestCode: EPA Method 8021B: Volatiles							
Client ID:	ient ID: LCSS Batch ID: 54268			F	RunNo: 70938								
Prep Date:	8/7/2020	Analysis [Date: 8 ,	/9/2020	S	SeqNo: 24	471012	Units: mg/K	(g				
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Benzene		0.95	0.025	1.000	0	95.4	80	120					
Toluene		0.96	0.050	1.000	0	95.6	80	120					
Ethylbenzene		0.95	0.050	1.000	0	95.4	80	120					
Xylenes, Total		2.9	0.10	3.000	0	97.2	80	120					
Surr: 4-Brom	nofluorobenzene	1.1		1.000		108	80	120					
Sample ID:	mb-54276	Samp ⁻	Гуре: М і	BLK	Tes	tCode: El	PA Method	8021B: Volat	tiles				
Client ID:	PBS	Batc	h ID: 54	276	F	RunNo: 7	0956						
Prep Date:	8/8/2020	Analysis [Date: 8 /	/10/2020	5	SeqNo: 24	471880	Units: %Re	C				
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Surr: 4-Brom	nofluorobenzene	1.1		1.000		106	80	120					
Sample ID:	LCS-54276	Samp	Гуре: LC	s	Tes	tCode: El	PA Method	8021B: Volat	tiles				
Client ID:	LCSS	Batc	h ID: 54	276	F	RunNo: 7	0956						
Prep Date:	8/8/2020	Analysis [Date: 8 /	/10/2020	S	SeqNo: 24	471881	Units: %Re	C				
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Surr: 4-Brom	nofluorobenzene	1.1		1.000		108	80	120					

* Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank

E Value above quantitation range

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

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2008274

14-Aug-20

Client: Lucid E	nergy Delav	ware									
Project: Riversic	le										
Sample ID: Ics-54252	SampT	ype: LC	:S4	TestCode: EPA Method 8260B: Volatiles Short List							
Client ID: BatchQC	Batcl	n ID: 54	252	F	RunNo: 70994						
Prep Date: 8/6/2020	Analysis D	Analysis Date: 8/10/2020			SeqNo: 2473427 U			Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Benzene	0.91	0.025	1.000	0	90.6	80	120				
Toluene	1.0	0.050	1.000	0	99.8	80	120				
Ethylbenzene	0.99	0.050	1.000	0	99.1	80	120				
Xylenes, Total	3.1	0.10	3.000	0	105	80	120				
Surr: 1,2-Dichloroethane-d4	0.47		0.5000		94.1	70	130				
Surr: 4-Bromofluorobenzene	0.51		0.5000		101	70	130				
Surr: Dibromofluoromethane	0.50		0.5000		100	70	130				
Surr: Toluene-d8	0.48		0.5000		95.2	70	130				
Sample ID: mb-54252 SampType: MBLK				Tes	tCode: E	PA Method	8260B: Volat	iles Short	List		
Client ID: PBS	Client ID: PBS Batch ID: 54252			F	RunNo: 7	0994					
Prep Date: 8/6/2020	Analysis D	0ate: 8/	10/2020	5	SeqNo: 2	473428	Units: mg/K	g			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Benzene	ND	0.025									
Toluene	ND	0.050									
Ethylbenzene	ND	0.050									
Xylenes, Total	ND	0.10									
Surr: 1,2-Dichloroethane-d4	0.49		0.5000		98.1	70	130				
Surr: 4-Bromofluorobenzene	0.50		0.5000		99.4	70	130				
Surr: Dibromofluoromethane	0.54		0.5000		108	70	130				
Surr: Toluene-d8	0.48		0.5000		96.5	70	130				
Sample ID: mb-54278	SampT	ype: ME	BLK	Tes	tCode: E	PA Method	8260B: Volat	iles Short	List		
Client ID: PBS	Batch	n ID: 54	278	F	RunNo: 7	0994					
Prep Date: 8/8/2020	Analysis D	0ate: 8/	11/2020	S	SeqNo: 2	473459	Units: %Rec	;			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Surr: 1,2-Dichloroethane-d4	0.47		0.5000		95.0	70	130				
Surr: 4-Bromofluorobenzene	0.52		0.5000		104	70	130				
Surr: Dibromofluoromethane	0.53		0.5000		106	70	130				
Surr: Toluene-d8	0.47		0.5000		94.7	70	130				
Sample ID: Ics-54278	SampT	ype: LC	:S4	Tes	tCode: E	PA Method	8260B: Volat	iles Short	List		
Client ID: BatchQC	Batch	n ID: 54	278	F	RunNo: 7	0994					
Prep Date: 8/8/2020	Analysis D	0ate: 8/	11/2020	5	SeqNo: 2	473460	Units: %Rec	;			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Surr: 1,2-Dichloroethane-d4	0.49		0.5000		98.2	70	130				
Surr: 4-Bromofluorobenzene	0.51		0.5000		101	70	130				

Qualifiers:

Value exceeds Maximum Contaminant Level. *

D Sample Diluted Due to Matrix

Н Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix

Analyte detected in the associated Method Blank в

Е Value above quantitation range

J Analyte detected below quantitation limits Р

Sample pH Not In Range RL Reporting Limit

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2008274

14-Aug-20

Client:	Lucid Ene	rgy Delawa	re								
Project:	Riverside										
Sample ID: Ics-54	278	SampTyp	e: L	CS4	Test	tCode: EF	A Method	8260B: Volati	les Short	List	
Client ID: Batch	QC	Batch I	D: 54	4278	R	unNo: 7()994				
Prep Date: 8/8/2	020	Analysis Dat	e: 8	3/11/2020	S	eqNo: 24	173460	Units: %Rec			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: Dibromofluorom	lethane	0.52		0.5000		105	70	130			
Surr: Toluene-d8		0.46		0.5000		92.9	70	130			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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2008274

14-Aug-20

Client:	Lucid Ene	ergy Delav	vare								
Project:	Riverside										
Sample ID:	lcs-54252	SampType: LCS			TestCode: EPA Method 8015D Mod: Gasoline Range						
Client ID:	LCSS	Batch ID: 54252			F	RunNo: 70994					
Prep Date:	8/6/2020	Analysis D	ate: 8/	10/2020	5	SeqNo: 24	473464	Units: mg/Kg	9		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Rang	e Organics (GRO)	22	5.0	25.00	0	88.3	70	130			
Surr: BFB		500		500.0		99.3	70	130			
Sample ID: mb-54252 SampType: MBLK TestCode: EPA Method 8015D Mod: Gasoline Range											
Client ID:	PBS	Batch	n ID: 54	252	F	RunNo: 7	0994				
Prep Date:	8/6/2020	Analysis D	ate: 8/	10/2020	S	SeqNo: 24	473465	Units: mg/Kg	9		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Rang	e Organics (GRO)	ND	5.0								
Surr: BFB		510		500.0		101	70	130			
Sample ID:	lcs-54278	SampT	ype: LC	S	TestCode: EPA Method 8015D Mod: Gasoline Range						
Client ID:	LCSS	Batch	n ID: 54	278	F	RunNo: 7	0994				
Prep Date:	8/8/2020	Analysis D	ate: 8/	11/2020	5	SeqNo: 24	473496	Units: %Rec			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB		500		500.0		99.3	70	130			
Sample ID:	mb-54278	SampT	ype: ME	BLK	Tes	tCode: El	PA Method	8015D Mod: 0	Basoline	Range	
Client ID:	PBS	Batch	n ID: 54	278	F	RunNo: 7	0994				
Prep Date:	8/8/2020	Analysis D	ate: 8/	11/2020	5	SeqNo: 24	473497	Units: %Rec			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB		510		500.0		102	70	130			

Qualifiers:

* Value exceeds Maximum Contaminant Level.

- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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2008274

14-Aug-20

HALL ENVIR ANAL LABOI	Ha TE W	ll Environm L: 505-345- 'ebsite: clier	ental Analysis 4901 Albuquerque 3975 FAX: 50 uts.hallenviron	Laboratory Hawkins NE , NM 87109 5-345-4107 mental.com	Sample Log-In Check List				
Client Name:	Lucid Ene	rgy Delaware	Work	Order Nur	nber: 20082	74		RcptNo: 1	
Received By:	Juan Roj	as	8/6/202	20 8:00:00	AM	4	ian ag		
Completed By:	Juan Roj	as	8/6/202	0 10:32:34	AM	4	anay	۲۵۰	
Reviewed By:	m	g	08	04/20	>	1			
Chain of Cus	tody	V							
1. Is Chain of Cu	ustody comp	olete?			Yes		No 🗌	Not Present	
2. How was the	sample deliv	vered?			Courie	<u> </u>			
Log In									
3. Was an attem	pt made to	cool the samp	es?		Yes 🖌		No 🗌	NA 🗌	
4. Were all samp	les received	d at a tempera	ture of >0° C	to 6.0°C	Yes]	No 🔽		
5. Sample(s) in p	proper conta	ainer(s)?			Yes		No 🗌		
6. Sufficient sam	ple volume t	for indicated te	st(s)?		Yes 🔽		10 🗌		
7. Are samples (e	except VOA	and ONG) pro	perly preserve	ed?	Yes 🗸) N	10		
8. Was preservat	ive added to	o bottles?			Yes] N	lo 🔽	NA 🗌	
9. Received at le	ast 1 vial wit	th headspace	<1/4" for AQ \	/OA?	Yes] N	lo 🗌	NA 🔽	
10. Were any sam	ple contain	ers received b	oken?		Yes] 1	No 🔽		
11. Does paperwo (Note discrepa	rk match bo ncies on ch	ttle labels? ain of custody)			Yes 🗸] N	10 🗆	# of preserved bottles checked for pH: (<2 or >12 unless noted)	
12. Are matrices c	orrectly ider	ntified on Chair	of Custody?		Yes 🗸] N	lo 🗌	Adjusted?	
13. Is it clear what	analyses w	ere requested	?		Yes 🗸] N	lo 🗌	DIRL	_
14. Were all holdin (If no, notify cu	ig times able stomer for a	e to be met? authorization.)			Yes 🗸] N	lo 🗌	Checked by: SPA 8.6	20
Special Handli	ng (if app	olicable)							
15. Was client not	ified of all d	iscrepancies w	ith this order?	,	Yes	1	No 🗌	NA 🗹	
Person I	Notified:			Date					
By Who	m:			Via:	eMail	Phone	🗌 Fax	In Person	
Regardir	ng:	[
Client In	structions:	[
16. Additional ren	narks:								
17 Cooler Inform	nation								
Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signe	d By	1	
1	3.3	Good			222, 2410	Cigno	,		
2	2.1	Good							
3	-0.4	Good							

Page 1 of 1

Received by OCD: 10/29/2021	1:21:33 AM	Page 69 of 140
 HALL ENVIRONMENTAL HALL ENVIRONMENTAL ANALYSIS LABORATOR Mww.hallenvironmental.com www.hallenvironmental.com Makins NE - Albuquerque, NM 87109 S05-345-3975 Fax 505-345-4107 S05-345-3975 Request 	8081 Pesticides/8082 PCB's EDB (Method 504.1) PAHs by 8310 or 8270SIMS RCRA 8 Metals RCRA 8 Metals RCRA 8 Metals S8260 (VOA) R270 (Semi-VOA) R270 (Semi-VOA) R270 (Semi-VOA)	N N N N 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	X X X ВТЕХ / МТВЕ / ТМВ% (8021) X X X X ВТЕХ / МТВЕ / ТМВ% (8021)	Semarks essibility.
Turn-Around Time: 5 day Turn & Standard a Rush Project Name: Riverside Project #:	A Project Manager: Michael Cant Sampler: Sampler: On Ice: Eryes DNO # of Coolers: 3 Cooler Temp(including CF): SPe Reynerks (°C) Cooler Temp(including CF): SPe Reynerks (°C) Container Preservative HEAL No. Type and # Type ResSoitTac TCE 201	Received by Via: Date Time Received by Contracted to gher accredited laboratories. This serves as notice of this proceedited laboratories. This serves as notice of this proceedited laboratories.
Client: Lucid Energy Mailing Address: on Aile	email of Fax#: Moder to Luc Archeray correction: Cavac Package: Cavac Packa	Date: Time: S. N.H. Date: RiS. 8' Date: Relinquished by: Date: Time: Relinquished by: Date: Relinquished by: If necessary, samples submitted to Hall Environmental may be suf-



September 16, 2020

Michael Gant Lucid Energy Delaware 201 South 4th St. Artesia, NM 88210 TEL: (575) 513-8988 FAX Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: clients.hallenvironmental.com

OrderNo.: 2009396

RE: Riverside

Dear Michael Gant:

Hall Environmental Analysis Laboratory received 13 sample(s) on 9/5/2020 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Analytical Report Lab Order 2009396

Date Reported: 9/16/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Lucid Energy Delaware Client Sample ID: B.6.C **Project:** Riverside Collection Date: 9/4/2020 8:31:00 AM Lab ID: 2009396-001 Matrix: SOIL Received Date: 9/5/2020 7:45:00 AM Result **RL** Qual Units DF **Date Analyzed** Analyses **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: BRM Diesel Range Organics (DRO) mg/Kg 920 94 10 9/11/2020 1:53:33 AM Motor Oil Range Organics (MRO) 550 470 mg/Kg 10 9/11/2020 1:53:33 AM Surr: DNOP 0 30.4-154 S %Rec 10 9/11/2020 1:53:33 AM **EPA METHOD 8015D: GASOLINE RANGE** Analyst: RAA Gasoline Range Organics (GRO) ND 5 9/11/2020 10:09:47 PM 25 mg/Kg 5 Surr: BFB 105 75.3-105 %Rec 9/11/2020 10:09:47 PM **EPA METHOD 8021B: VOLATILES** Analyst: RAA Benzene ND 9/11/2020 10:09:47 PM 0.12 mg/Kg 5 Toluene 5 ND 0.25 mg/Kg 9/11/2020 10:09:47 PM Ethylbenzene ND 0.25 mg/Kg 5 9/11/2020 10:09:47 PM Xylenes, Total 0.89 0.50 mg/Kg 5 9/11/2020 10:09:47 PM 5 9/11/2020 10:09:47 PM Surr: 4-Bromofluorobenzene 102 80-120 %Rec **EPA METHOD 300.0: ANIONS** Analyst: CAS Chloride 510 60 9/14/2020 7:04:37 PM ma/Ka 20

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix

- Н Holding times for preparation or analysis exceeded
- ND
- Not Detected at the Reporting Limit POL
- Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- в Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range

Reporting Limit RL

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Analytical Report Lab Order 2009396

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 9/16/2020 Client Sample ID: B.7.C Collection Date: 9/4/2020 8:33:00 AM

Project:	Riverside		Collection Date: 9/4/2020 8:33:00 AM									
Lab ID:	2009396-002	Matrix: SOIL	Received Date: 9/5/2020 7:45:00 AM									
Analyses		Result	RL	Qual	Units	DF	Date Analyzed					
EPA ME	THOD 8015M/D: DIESEL RA	NGE ORGANICS					Analyst: BRM					
Diesel R	ange Organics (DRO)	2900	94		mg/Kg	10	9/11/2020 2:17:28 AM					
Motor O	il Range Organics (MRO)	1900	470		mg/Kg	10	9/11/2020 2:17:28 AM					
Surr:	DNOP	0	30.4-154	S	%Rec	10	9/11/2020 2:17:28 AM					
EPA ME	THOD 8015D: GASOLINE R	ANGE					Analyst: RAA					
Gasoline	e Range Organics (GRO)	36	25		mg/Kg	5	9/11/2020 10:33:15 PM					
Surr:	BFB	120	75.3-105	S	%Rec	5	9/11/2020 10:33:15 PM					
EPA ME	THOD 8021B: VOLATILES						Analyst: RAA					
Benzene	e	ND	0.12		mg/Kg	5	9/11/2020 10:33:15 PM					
Toluene		0.56	0.25		mg/Kg	5	9/11/2020 10:33:15 PM					
Ethylber	nzene	0.54	0.25		mg/Kg	5	9/11/2020 10:33:15 PM					
Xylenes	, Total	2.9	0.50		mg/Kg	5	9/11/2020 10:33:15 PM					
Surr:	4-Bromofluorobenzene	105	80-120		%Rec	5	9/11/2020 10:33:15 PM					
EPA ME	THOD 300.0: ANIONS						Analyst: CAS					
Chloride		380	60		mg/Kg	20	9/14/2020 8:06:21 PM					

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- н
- Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

- Analyte detected in the associated Method Blank в
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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2009396-003

Riverside

Project:

Lab ID:

Analytical Report Lab Order 2009396

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 9/16/2020 Client Sample ID: B.8.C Collection Date: 9/4/2020 8:35:00 AM Matrix: SOIL Received Date: 9/5/2020 7:45:00 AM -14 DI Onel IInite DE ъ .

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS					Analyst: BRM
Diesel Range Organics (DRO)	2600	94		mg/Kg	10	9/11/2020 2:41:28 AM
Motor Oil Range Organics (MRO)	1400	470		mg/Kg	10	9/11/2020 2:41:28 AM
Surr: DNOP	0	30.4-154	S	%Rec	10	9/11/2020 2:41:28 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: RAA
Gasoline Range Organics (GRO)	49	25		mg/Kg	5	9/11/2020 10:56:41 PM
Surr: BFB	139	75.3-105	S	%Rec	5	9/11/2020 10:56:41 PM
EPA METHOD 8021B: VOLATILES						Analyst: RAA
Benzene	ND	0.12		mg/Kg	5	9/11/2020 10:56:41 PM
Toluene	0.81	0.25		mg/Kg	5	9/11/2020 10:56:41 PM
Ethylbenzene	1.2	0.25		mg/Kg	5	9/11/2020 10:56:41 PM
Xylenes, Total	5.1	0.49		mg/Kg	5	9/11/2020 10:56:41 PM
Surr: 4-Bromofluorobenzene	110	80-120		%Rec	5	9/11/2020 10:56:41 PM
EPA METHOD 300.0: ANIONS						Analyst: CAS
Chloride	310	60		mg/Kg	20	9/14/2020 8:18:41 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- н
- Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

- Analyte detected in the associated Method Blank в
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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2009396-004

Riverside

Project:

Lab ID:

Analytical Report Lab Order 2009396

Hall Environmental Analysis Laboratory, Inc.

 Client Sample ID: B.9.C

 Collection Date: 9/4/2020 8:38:00 AM

 Matrix: SOIL
 Received Date: 9/5/2020 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORG	GANICS					Analyst: BRM
Diesel Range Organics (DRO)	2300	90		mg/Kg	10	9/11/2020 3:05:21 AM
Motor Oil Range Organics (MRO)	1200	450		mg/Kg	10	9/11/2020 3:05:21 AM
Surr: DNOP	0	30.4-154	S	%Rec	10	9/11/2020 3:05:21 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: RAA
Gasoline Range Organics (GRO)	64	5.0		mg/Kg	1	9/11/2020 11:20:05 PM
Surr: BFB	424	75.3-105	S	%Rec	1	9/11/2020 11:20:05 PM
EPA METHOD 8021B: VOLATILES						Analyst: RAA
Benzene	0.049	0.025		mg/Kg	1	9/11/2020 11:20:05 PM
Toluene	0.94	0.050		mg/Kg	1	9/11/2020 11:20:05 PM
Ethylbenzene	1.3	0.050		mg/Kg	1	9/11/2020 11:20:05 PM
Xylenes, Total	5.2	0.099		mg/Kg	1	9/11/2020 11:20:05 PM
Surr: 4-Bromofluorobenzene	145	80-120	S	%Rec	1	9/11/2020 11:20:05 PM
EPA METHOD 300.0: ANIONS						Analyst: CAS
Chloride	290	60		mg/Kg	20	9/14/2020 8:31:02 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- Value exceeds Maximum Contaminant Level.
 D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Analytical Report Lab Order 2009396

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 9/16/2020 Client Sample ID: B.10.C Collection Date: 9/4/2020 8:45:00 AM

Project: Riverside Lab ID: 2009396-005 Matrix: SOIL Received Date: 9/5/2020 7:45:00 AM Result **RL** Qual Units DF **Date Analyzed** Analyses **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: BRM Diesel Range Organics (DRO) 710 9.9 mg/Kg 1 9/11/2020 3:29:24 AM Motor Oil Range Organics (MRO) 420 50 mg/Kg 1 9/11/2020 3:29:24 AM Surr: DNOP 64.6 30.4-154 %Rec 1 9/11/2020 3:29:24 AM **EPA METHOD 8015D: GASOLINE RANGE** Analyst: RAA Gasoline Range Organics (GRO) ND 9/11/2020 11:43:31 PM 5.0 mg/Kg 1 Surr: BFB 95.0 75.3-105 %Rec 1 9/11/2020 11:43:31 PM **EPA METHOD 8021B: VOLATILES** Analyst: RAA Benzene ND 9/11/2020 11:43:31 PM 0.025 mg/Kg 1 Toluene ND 0.050 mg/Kg 1 9/11/2020 11:43:31 PM Ethylbenzene ND 0.050 mg/Kg 1 9/11/2020 11:43:31 PM Xylenes, Total ND 0.099 mg/Kg 1 9/11/2020 11:43:31 PM 9/11/2020 11:43:31 PM Surr: 4-Bromofluorobenzene 104 80-120 %Rec 1 **EPA METHOD 300.0: ANIONS** Analyst: CAS Chloride 330 60 9/14/2020 8:43:22 PM ma/Ka 20

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to MatrixH Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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2009396-006

Riverside

Project:

Lab ID:

Analytical Report Lab Order 2009396

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 9/16/2020 Client Sample ID: SW.11.C Collection Date: 9/4/2020 9:15:00 AM

Received Date: 9/5/2020 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS					Analyst: BRM
Diesel Range Organics (DRO)	100	9.3		mg/Kg	1	9/11/2020 3:53:20 AM
Motor Oil Range Organics (MRO)	72	46		mg/Kg	1	9/11/2020 3:53:20 AM
Surr: DNOP	42.8	30.4-154		%Rec	1	9/11/2020 3:53:20 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: RAA
Gasoline Range Organics (GRO)	5.5	4.9		mg/Kg	1	9/12/2020 12:06:58 AM
Surr: BFB	120	75.3-105	S	%Rec	1	9/12/2020 12:06:58 AM
EPA METHOD 8021B: VOLATILES						Analyst: RAA
Benzene	ND	0.025		mg/Kg	1	9/12/2020 12:06:58 AM
Toluene	ND	0.049		mg/Kg	1	9/12/2020 12:06:58 AM
Ethylbenzene	ND	0.049		mg/Kg	1	9/12/2020 12:06:58 AM
Xylenes, Total	0.099	0.099		mg/Kg	1	9/12/2020 12:06:58 AM
Surr: 4-Bromofluorobenzene	103	80-120		%Rec	1	9/12/2020 12:06:58 AM
EPA METHOD 300.0: ANIONS						Analyst: CAS
Chloride	780	60		mg/Kg	20	9/14/2020 8:55:42 PM

Matrix: SOIL

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- Value exceeds Maximum Contaminant Level.
 D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Project: Riverside

Analytical Report Lab Order 2009396

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 9/16/2020 Client Sample ID: SW.12.C Collection Date: 9/4/2020 9:17:00 AM Pageiyad Date: 9/5/2020 7:45:00 AM

Lab ID: 2009396-007	Matrix: SOIL	Reco	eived Date:	9/5/20	20 7:45:00 AM
Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RAN	GE ORGANICS				Analyst: BRM
Diesel Range Organics (DRO)	1100	19	mg/Kg	2	9/11/2020 10:17:47 PM
Motor Oil Range Organics (MRO)	310	97	mg/Kg	2	9/11/2020 10:17:47 PM
Surr: DNOP	80.8	30.4-154	%Rec	2	9/11/2020 10:17:47 PM
EPA METHOD 8015D: GASOLINE RA	NGE				Analyst: RAA
Gasoline Range Organics (GRO)	7.4	4.9	mg/Kg	1	9/12/2020 12:30:28 AM
Surr: BFB	141	75.3-105	S %Rec	1	9/12/2020 12:30:28 AM
EPA METHOD 8021B: VOLATILES					Analyst: RAA
Benzene	ND	0.025	mg/Kg	1	9/12/2020 12:30:28 AM
Toluene	ND	0.049	mg/Kg	1	9/12/2020 12:30:28 AM
Ethylbenzene	ND	0.049	mg/Kg	1	9/12/2020 12:30:28 AM
Xylenes, Total	0.11	0.099	mg/Kg	1	9/12/2020 12:30:28 AM
Surr: 4-Bromofluorobenzene	104	80-120	%Rec	1	9/12/2020 12:30:28 AM
EPA METHOD 300.0: ANIONS					Analyst: CAS
Chloride	1500	60	mg/Kg	20	9/14/2020 9:08:02 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum Contaminant Level.D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Analytical Report Lab Order 2009396

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 9/16/2020
Client Sample ID: SW.13.C

Project: Riverside Collection Date: 9/4/2020 9:20:00 AM Lab ID: 2009396-008 Matrix: SOIL Received Date: 9/5/2020 7:45:00 AM Result **RL** Qual Units DF **Date Analyzed** Analyses **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: BRM Diesel Range Organics (DRO) mg/Kg 4200 99 10 9/11/2020 10:41:53 PM Motor Oil Range Organics (MRO) 1900 500 mg/Kg 10 9/11/2020 10:41:53 PM Surr: DNOP 0 30.4-154 S %Rec 10 9/11/2020 10:41:53 PM **EPA METHOD 8015D: GASOLINE RANGE** Analyst: RAA Gasoline Range Organics (GRO) 160 5 9/12/2020 12:54:04 AM 25 mg/Kg 5 Surr: BFB 298 75.3-105 S %Rec 9/12/2020 12:54:04 AM **EPA METHOD 8021B: VOLATILES** Analyst: RAA Benzene 9/12/2020 12:54:04 AM ND 0.12 mg/Kg 5 Toluene 5 9/12/2020 12:54:04 AM 2.3 0.25 mg/Kg Ethylbenzene 1.7 0.25 mg/Kg 5 9/12/2020 12:54:04 AM Xylenes, Total 8.2 0.50 mg/Kg 5 9/12/2020 12:54:04 AM 5 Surr: 4-Bromofluorobenzene 113 80-120 %Rec 9/12/2020 12:54:04 AM **EPA METHOD 300.0: ANIONS** Analyst: CAS Chloride 1800 60 9/14/2020 9:20:22 PM ma/Ka 20

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to MatrixH Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Riverside

Project:

Analytical Report Lab Order 2009396

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 9/16/2020

Client Sample ID: SW.14.C Collection Date: 9/4/2020 9:25:00 AM **Becaived Date:** 9/5/2020 7:45:00 AM

Lab ID: 2009396-009	Matrix: SOIL	Reco	eived Date:	9/5/20	20 7:45:00 AM
Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANG	E ORGANICS				Analyst: BRM
Diesel Range Organics (DRO)	150	9.6	mg/Kg	1	9/10/2020 10:59:59 PM
Motor Oil Range Organics (MRO)	87	48	mg/Kg	1	9/10/2020 10:59:59 PM
Surr: DNOP	93.6	30.4-154	%Rec	1	9/10/2020 10:59:59 PM
EPA METHOD 8015D: GASOLINE RAN	GE				Analyst: RAA
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	9/12/2020 1:17:38 AM
Surr: BFB	90.8	75.3-105	%Rec	1	9/12/2020 1:17:38 AM
EPA METHOD 8021B: VOLATILES					Analyst: RAA
Benzene	ND	0.025	mg/Kg	1	9/12/2020 1:17:38 AM
Toluene	ND	0.050	mg/Kg	1	9/12/2020 1:17:38 AM
Ethylbenzene	ND	0.050	mg/Kg	1	9/12/2020 1:17:38 AM
Xylenes, Total	ND	0.099	mg/Kg	1	9/12/2020 1:17:38 AM
Surr: 4-Bromofluorobenzene	97.8	80-120	%Rec	1	9/12/2020 1:17:38 AM
EPA METHOD 300.0: ANIONS					Analyst: CAS
Chloride	390	60	mg/Kg	20	9/14/2020 9:32:43 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

- Analyte detected in the associated Method Blank в
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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Lab ID:

Analyses

Surr: DNOP

Surr: BFB

Analytical Report Lab Order 2009396

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 9/16/2020

CLIENT: Lucid Energy Delaware Client Sample ID: SW.15.C Riverside Collection Date: 9/4/2020 9:28:00 AM 2009396-010 Matrix: SOIL Received Date: 9/5/2020 7:45:00 AM Result **RL** Qual Units DF **Date Analyzed EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: BRM **Diesel Range Organics (DRO)** ND 9.7 mg/Kg 1 9/10/2020 11:23:53 PM Motor Oil Range Organics (MRO) ND 49 mg/Kg 1 9/10/2020 11:23:53 PM 84.8 30.4-154 %Rec 1 9/10/2020 11:23:53 PM **EPA METHOD 8015D: GASOLINE RANGE** Analyst: RAA Gasoline Range Organics (GRO) ND 9/12/2020 1:41:14 AM 4.9 mg/Kg 1 92.8 75.3-105 %Rec 1 9/12/2020 1:41:14 AM Analvst: RAA EDA METUOD 0021D. VOLATILES

EPA WEITOD OUZID: VOLATILES					Analysi. RAA
Benzene	ND	0.025	mg/Kg	1	9/12/2020 1:41:14 AM
Toluene	ND	0.049	mg/Kg	1	9/12/2020 1:41:14 AM
Ethylbenzene	ND	0.049	mg/Kg	1	9/12/2020 1:41:14 AM
Xylenes, Total	ND	0.099	mg/Kg	1	9/12/2020 1:41:14 AM
Surr: 4-Bromofluorobenzene	97.5	80-120	%Rec	1	9/12/2020 1:41:14 AM
EPA METHOD 300.0: ANIONS					Analyst: CAS
Chloride	210	60	ma/Ka	20	9/14/2020 10:09:44 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

- в Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range

RL Reporting Limit Page 10 of 21

2009396-011

Riverside

Project:

Lab ID:

Analytical Report Lab Order 2009396

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 9/16/2020 Client Sample ID: SW.16.C Collection Date: 9/4/2020 9:30:00 AM

Received Date: 9/5/2020 7:45:00 AM

Analyses	Result	RL Qua	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGA	NICS				Analyst: BRM
Diesel Range Organics (DRO)	24	9.7	mg/Kg	1	9/10/2020 11:47:40 PM
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	9/10/2020 11:47:40 PM
Surr: DNOP	66.2	30.4-154	%Rec	1	9/10/2020 11:47:40 PM
EPA METHOD 300.0: ANIONS					Analyst: CAS
Chloride	ND	60	mg/Kg	20	9/14/2020 10:22:04 PM
EPA METHOD 8260B: VOLATILES SHORT LIST					Analyst: DJF
Benzene	ND	0.025	mg/Kg	1	9/11/2020 2:39:18 PM
Toluene	0.16	0.050	mg/Kg	1	9/11/2020 2:39:18 PM
Ethylbenzene	0.077	0.050	mg/Kg	1	9/11/2020 2:39:18 PM
Xylenes, Total	0.37	0.099	mg/Kg	1	9/11/2020 2:39:18 PM
Surr: 1,2-Dichloroethane-d4	93.5	70-130	%Rec	1	9/11/2020 2:39:18 PM
Surr: 4-Bromofluorobenzene	98.1	70-130	%Rec	1	9/11/2020 2:39:18 PM
Surr: Dibromofluoromethane	112	70-130	%Rec	1	9/11/2020 2:39:18 PM
Surr: Toluene-d8	103	70-130	%Rec	1	9/11/2020 2:39:18 PM
EPA METHOD 8015D MOD: GASOLINE RANGE					Analyst: DJF
Gasoline Range Organics (GRO)	6.2	5.0	mg/Kg	1	9/11/2020 2:39:18 PM
Surr: BFB	101	70-130	%Rec	1	9/11/2020 2:39:18 PM

Matrix: SOIL

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- Value exceeds Maximum Contaminant Level.
 D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Project: Riverside

Analytical Report Lab Order 2009396

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 9/16/2020

Client Sample ID: SW.17.C Collection Date: 9/4/2020 9:32:00 AM Received Date: 9/5/2020 7:45:00 AM

Lab ID: 2009396-012	Matrix: SOIL	Received Date: 9/5/2020 7:45:00 AM						
Analyses	Result	RL Qua	al Units	DF	Date Analyzed			
EPA METHOD 8015M/D: DIESEL RAN	GE ORGANICS				Analyst: BRM			
Diesel Range Organics (DRO)	11	9.9	mg/Kg	1	9/11/2020 12:11:28 AM			
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	9/11/2020 12:11:28 AM			
Surr: DNOP	74.0	30.4-154	%Rec	1	9/11/2020 12:11:28 AM			
EPA METHOD 300.0: ANIONS					Analyst: CAS			
Chloride	ND	59	mg/Kg	20	9/14/2020 10:34:24 PM			
EPA METHOD 8260B: VOLATILES SH	IORT LIST				Analyst: DJF			
Benzene	ND	0.024	mg/Kg	1	9/10/2020 5:54:25 PM			
Toluene	ND	0.049	mg/Kg	1	9/10/2020 5:54:25 PM			
Ethylbenzene	ND	0.049	mg/Kg	1	9/10/2020 5:54:25 PM			
Xylenes, Total	ND	0.098	mg/Kg	1	9/10/2020 5:54:25 PM			
Surr: 1,2-Dichloroethane-d4	93.4	70-130	%Rec	1	9/10/2020 5:54:25 PM			
Surr: 4-Bromofluorobenzene	99.5	70-130	%Rec	1	9/10/2020 5:54:25 PM			
Surr: Dibromofluoromethane	110	70-130	%Rec	1	9/10/2020 5:54:25 PM			
Surr: Toluene-d8	102	70-130	%Rec	1	9/10/2020 5:54:25 PM			
EPA METHOD 8015D MOD: GASOLIN	E RANGE				Analyst: DJF			
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	9/10/2020 5:54:25 PM			
Surr: BFB	99.7	70-130	%Rec	1	9/10/2020 5:54:25 PM			

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum Contaminant Level.D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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2009396-013

Riverside

Project:

Lab ID:

Analytical Report Lab Order 2009396

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 9/16/2020

Client Sample ID: SW.18.C Collection Date: 9/4/2020 9:40:00 AM Received Date: 9/5/2020 7:45:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE O	ORGANICS				Analyst: BRM
Diesel Range Organics (DRO)	110	9.5	mg/Kg	1	9/10/2020 2:39:20 PM
Motor Oil Range Organics (MRO)	57	47	mg/Kg	1	9/10/2020 2:39:20 PM
Surr: DNOP	54.8	30.4-154	%Rec	1	9/10/2020 2:39:20 PM
EPA METHOD 300.0: ANIONS					Analyst: CAS
Chloride	250	60	mg/Kg	20	9/14/2020 10:46:44 PM
EPA METHOD 8260B: VOLATILES SHORT	LIST				Analyst: DJF
Benzene	ND	0.024	mg/Kg	1	9/10/2020 7:20:06 PM
Toluene	ND	0.048	mg/Kg	1	9/10/2020 7:20:06 PM
Ethylbenzene	ND	0.048	mg/Kg	1	9/10/2020 7:20:06 PM
Xylenes, Total	ND	0.097	mg/Kg	1	9/10/2020 7:20:06 PM
Surr: 1,2-Dichloroethane-d4	92.8	70-130	%Rec	1	9/10/2020 7:20:06 PM
Surr: 4-Bromofluorobenzene	99.6	70-130	%Rec	1	9/10/2020 7:20:06 PM
Surr: Dibromofluoromethane	108	70-130	%Rec	1	9/10/2020 7:20:06 PM
Surr: Toluene-d8	106	70-130	%Rec	1	9/10/2020 7:20:06 PM
EPA METHOD 8015D MOD: GASOLINE RA	NGE				Analyst: DJF
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	9/10/2020 7:20:06 PM
Surr: BFB	98.9	70-130	%Rec	1	9/10/2020 7:20:06 PM

Matrix: SOIL

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- Value exceeds Maximum Contaminant Level.
 D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Client: Project:	Lucid E Riversic	nergy Delaware le							
Sample ID:	MB-55140	SampType: ml	olk	Test	Code: EPA Met	hod 300.0: Anion	S		
Client ID:	PBS	Batch ID: 55	140	RunNo: 71848					
Prep Date:	9/14/2020	Analysis Date: 9/	14/2020	SeqNo: 2514826 Units: mg/Kg					
Analyte		Result PQL	SPK value	SPK Ref Val	%REC LowLi	mit HighLimit	%RPD	RPDLimit	Qual
Chloride		ND 1.5							
Sample ID:	LCS-55140	SampType: Ics	5	Test	Code: EPA Met	hod 300.0: Anion	s		
Client ID:	LCSS	Batch ID: 55	140	R	unNo: 71848				
Prep Date:	9/14/2020	Analysis Date: 9/	14/2020	S	eqNo: 2514827	Units: mg/K	g		
Analyte		Result PQL	SPK value	SPK Ref Val	%REC LowLi	mit HighLimit	%RPD	RPDLimit	Qual
Chloride		14 1.5	15.00	0	92.7	90 110			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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2009396

16-Sep-20

Client: Lucid E Project: Riversic	nergy Delaware le										
Sample ID: LCS-55057	SampType: LC	S	Tes	tCode: EPA	Method	8015M/D: Die	esel Range	e Organics			
Client ID: LCSS	Batch ID: 550	057	R	unNo: 7172	1						
Prep Date: 9/9/2020	Analysis Date: 9/	10/2020	S	eqNo: 2509	065	Units: mg/K	g				
Analyte	Result PQL	SPK value	SPK Ref Val	%REC Lo	owLimit	HighLimit	%RPD	RPDLimit	Qual		
Diesel Range Organics (DRO)	55 10	50.00	0	110	70	130					
Surr: DNOP	4.9	5.000		97.2	30.4	154					
Sample ID: MB-55057	SampType: ME	BLK	Test	tCode: EPA	Method	8015M/D: Die	esel Range	e Organics			
Client ID: PBS	Batch ID: 550	057	RunNo: 71721								
Prep Date: 9/9/2020	Analysis Date: 9/	10/2020	SeqNo: 2509066			Units: mg/K	g				
Analyte	Result PQL	SPK value	SPK Ref Val	%REC Lo	owLimit	HighLimit	%RPD	RPDLimit	Qual		
Diesel Range Organics (DRO)	ND 10										
Motor Oil Range Organics (MRO)	ND 50										
Surr: DNOP	12	10.00		116	30.4	154					
Sample ID: MB-55054	SampType: ME	SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics									
Client ID: PBS	Batch ID: 55054 RunNo: 71762										
Prep Date: 9/9/2020	Analysis Date: 9/	10/2020	S	eqNo: 2510	693	Units: mg/K	g				
Analyte	Result PQL	SPK value	SPK Ref Val	%REC Lo	owLimit	HighLimit	%RPD	RPDLimit	Qual		
Diesel Range Organics (DRO)	ND 10										
Motor Oil Range Organics (MRO)	ND 50										
Surr: DNOP	9.6	10.00		96.2	30.4	154					
Sample ID: LCS-55054	SampType: LC	S	Tes	tCode: EPA I	Method	8015M/D: Die	esel Range	e Organics			
Client ID: LCSS	Batch ID: 550	054	R	unNo: 7176 2	2						
Prep Date: 9/9/2020	Analysis Date: 9/	10/2020	S	eqNo: 2510	719	Units: mg/K	g				
Analyte	Result PQL	SPK value	SPK Ref Val	%REC Lo	owLimit	HighLimit	%RPD	RPDLimit	Qual		
Diesel Range Organics (DRO)	44 10	50.00	0	88.5	70	130					
Surr: DNOP	4.5	5.000		89.2	30.4	154					
Sample ID: LCS-55019	SampType: LC	S	Tes	tCode: EPA	Method	8015M/D: Die	esel Range	e Organics			
Client ID: LCSS	Batch ID: 550	019	R	unNo: 7172	1						
Prep Date: 9/9/2020	Analysis Date: 9/	10/2020	S	SeqNo: 2511;	324	Units: mg/K	g				
Analyte	Result PQL	SPK value	SPK Ref Val	%REC Lo	owLimit	HighLimit	%RPD	RPDLimit	Qual		
Diesel Range Organics (DRO)	47 10	50.00	0	94.4	70	130					
Surr: DNOP	4.3	5.000		85.1	30.4	154					

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

2009396

16-Sep-20

Client: Project:	Lucid Ener Riverside	rgy Delaw	are								
Sample ID: MB-550)19	SampTy	vpe: ME	BLK	Test	Code: EF	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID: PBS Batch ID: 55019 RunNo: 71721											
Prep Date: 9/9/20	20	Analysis Da	ate: 9/	10/2020	S	eqNo: 2	511325	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (I	DRO)	ND	10								
Motor Oil Range Organic	s (MRO)	ND	50								
Surr: DNOP		9.3		10.00		92.5	30.4	154			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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2009396

16-Sep-20

Client: Project:	Lucid Ene Riverside	rgy Delaw	are								
Sample ID: Id	cs-54986	SampTy	pe: LC	s	Tes	tCode: El	PA Method	8015D: Gasc	line Rang	e	
Client ID: L	.css	Batch	ID: 54	986	RunNo: 71790						
Prep Date:	9/6/2020	Analysis Da	te: 9/	11/2020	S	eqNo: 2	511831	Units: mg/K	٤g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range	Organics (GRO)	24	5.0	25.00	0	97.4	72.5	106			
Surr: BFB		1200		1000		116	75.3	105			S
Sample ID: n	nb-54986	SampTy	pe: M I	BLK	Test	tCode: El	PA Method	8015D: Gasc	line Rang	e	
Client ID: P	PBS	Batch	ID: 54	986	R	tunNo: 7	1790				
Prep Date:	9/6/2020	Analysis Da	te: 9/	/11/2020	S	eqNo: 2	511833	Units: mg/K	٢g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range	Organics (GRO)	ND	5.0								
Surr: BFB		1100		1000		108	75.3	105			S

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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2009396

16-Sep-20

Page 87 of 140

Client:	Lucid Energy Del	aware								
Project:	Riverside									
Sample ID: LCS-5	4986 Sam	oType: LC	s	Tes	tCode: EF	PA Method	8021B: Volat	iles		
Client ID: LCSS	Bat	ch ID: 54	986	F	RunNo: 7 ′	1774				
Prep Date: 9/6/2	020 Analysis	Date: 9/	11/2020	5	SeqNo: 2	511426	Units: mg/k	íg		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.90	0.025	1.000	0	90.0	80	120			
Toluene	0.91	0.050	1.000	0	91.0	80	120			
Ethylbenzene	0.92	0.050	1.000	0	91.5	80	120			
Xylenes, Total	2.8	0.10	3.000	0	92.3	80	120			
Surr: 4-Bromofluorob	enzene 1.0		1.000		104	80	120			
Sample ID: mb-54	1 986 Sam	oType: ME	BLK	Tes	tCode: EF	PA Method	8021B: Volat	iles		
Client ID: PBS	Bat	ch ID: 54	986	F	RunNo: 7	1774				
Prep Date: 9/6/2	020 Analysis	Date: 9/	11/2020	S	SeqNo: 2	511428	Units: mg/#	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorob	enzene 1.0		1.000		101	80	120			

Qualifiers:

- Value exceeds Maximum Contaminant Level. *
- D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

- Analyte detected in the associated Method Blank в
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range

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2009396

16-Sep-20

- Reporting Limit RL

Client: Lucid En	ergy Delaw	vare								
Project: Riverside										
Sample ID: mb-55024	SampT	уре: МВ	BLK	Tes	tCode: EF	PA Method	8260B: Volat	iles Short	List	
Client ID: PBS	Batch	ID: 550)24	R	unNo: 7 1	1767				
Prep Date: 9/8/2020	Analysis D	ate: 9/	10/2020	S	eqNo: 25	510949	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 1.2-Dichloroethane-d4	0.47		0.5000		93.7	70	130			
Surr: 4-Bromofluorobenzene	0.52		0.5000		103	70	130			
Surr: Dibromofluoromethane	0.52		0.5000		105	70	130			
Surr: Toluene-d8	0.50		0.5000		101	70	130			
Sample ID: Ics-55024	SampT	vpe: LC	S4	Tes	tCode: EF	PA Method	8260B: Volat	iles Short	List	
Client ID: BatchQC	Batch	D: 550)24	R	lunNo: 71	1767				
Prep Date: 9/8/2020	Analysis D	ate: 9/	10/2020	S	eqNo: 2	510950	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.86	0.025	1.000	0	86.2	80	120			
Toluene	0.99	0.050	1.000	0	98.9	80	120			
Ethylbenzene	1.0	0.050	1.000	0	101	80	120			
Xylenes, Total	3.1	0.10	3.000	0	102	80	120			
Surr: 1,2-Dichloroethane-d4	0.47		0.5000		93.5	70	130			
Surr: 4-Bromofluorobenzene	0.52		0.5000		104	70	130			
Surr: Dibromofluoromethane	0.52		0.5000		103	70	130			
Surr: Toluene-d8	0.51		0.5000		102	70	130			
Sample ID: 2009396-011ams	SampT	ype: MS	4	TestCode: EPA Method 8260B: Volatiles Short List						
Client ID: SW.16.C	Batch	D: 550)24	R	lunNo: 7 1	1767				
Prep Date: 9/8/2020	Analysis D	ate: 9/	10/2020	S	eqNo: 25	510952	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.95	0.025	0.9940	0	95.6	71.1	115			
Toluene	1.2	0.050	0.9940	0.1600	106	79.6	132			
Ethylbenzene	1.2	0.050	0.9940	0.07741	109	83.8	134			
Xylenes, Total	3.8	0.099	2.982	0.3711	115	82.4	132			
Surr: 1,2-Dichloroethane-d4	0.47		0.4970		95.3	70	130			
Surr: 4-Bromofluorobenzene	0.51		0.4970		103	70	130			
Surr: Dibromofluoromethane	0.54		0.4970		108	70	130			
Surr: Toluene-d8	0.53		0.4970		107	70	130			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

2009396

16-Sep-20

Client:	Lucid Energy Delaware
Project:	Riverside

Sample ID: 2009396-011amsd SampType: MSD4 TestCode: EPA Method 8260B: Volatiles Short List										
Client ID: SW.16.C	Batc	h ID: 550	024	F	RunNo: 7	1767				
Prep Date: 9/8/2020	Analysis E	Date: 9/	10/2020	5	SeqNo: 2	510953	Units: mg/K	íg		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.93	0.025	0.9843	0	94.5	71.1	115	2.13	20	
Toluene	1.2	0.049	0.9843	0.1600	109	79.6	132	1.12	20	
Ethylbenzene	1.2	0.049	0.9843	0.07741	111	83.8	134	1.27	20	
Xylenes, Total	3.7	0.098	2.953	0.3711	112	82.4	132	3.06	20	
Surr: 1,2-Dichloroethane-d4	0.47		0.4921		94.6	70	130	0	0	
Surr: 4-Bromofluorobenzene	0.48		0.4921		97.8	70	130	0	0	
Surr: Dibromofluoromethane	0.51		0.4921		104	70	130	0	0	
Surr: Toluene-d8	0.50		0.4921		102	70	130	0	0	

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
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- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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WO#: **2009396**

16-Sep-20

Client: Project:	Lucid En Riverside	ergy Delav	ware								
Sample ID:	: mb-55024	SampT	ype: MI	BLK	Tes	tCode: El	PA Method	8015D Mod:	Gasoline	Range	
Client ID:	PBS	Batch	n ID: 55	024	F	RunNo: 7	1767				
Prep Date:	9/8/2020	Analysis D	Date: 9/	/10/2020	5	SeqNo: 2	511217	Units: mg/l	٢g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Rang	ge Organics (GRO)	ND	5.0								
Surr: BFB		510		500.0		102	70	130			
Sample ID:	Ics-55024	SampT	ype: LC	s	Tes	tCode: El	PA Method	8015D Mod:	Gasoline	Range	
Client ID:	LCSS	Batch	n ID: 55	024	F	RunNo: 7	1767				
Prep Date:	9/8/2020	Analysis D	Date: 9/	/10/2020	S	SeqNo: 2	511218	Units: mg/l	٢g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Rang	ge Organics (GRO)	22	5.0	25.00	0	87.6	70	130			
Surr: BFB		510		500.0		102	70	130			
Sample ID:	2009396-012ams	SampT	ype: M	S	Tes	tCode: El	PA Method	8015D Mod:	Gasoline	Range	
Client ID:	SW.17.C	Batch	h ID: 55	024	F	RunNo: 7	1767				
Prep Date:	9/8/2020	Analysis D	Date: 9/	/10/2020	S	SeqNo: 2	511222	Units: mg/l	٢g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Rang	ge Organics (GRO)	23	4.9	24.65	0	92.6	49.2	122			
Surr: BFB		490		493.1		100	70	130			
Sample ID:	2009396-012amsd	I SampT	ype: M	SD	Tes	tCode: El	PA Method	8015D Mod:	Gasoline	Range	
Client ID:	SW.17.C	Batch	n ID: 55	024	F	RunNo: 7	1767				
Prep Date:	9/8/2020	Analysis D	Date: 9/	/10/2020	S	SeqNo: 2	511223	Units: mg/l	٢g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Rang	ge Organics (GRO)	23	4.9	24.41	0	94.0	49.2	122	0.562	20	
Surr: BFB		510		488.3		104	70	130	0	0	

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range

RL Reporting Limit

2009396

16-Sep-20

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HALL ENVIRONMENTAL ANALYSIS LABORATORY	Hall Environme TEL: 505-345-3 Website: client	ntal Analysis Lat 4901 Haw Albuquerque, NI 3975 FAX: 505-3 ts.hallenvironmer	boratory kins NE M 87109 45-4107 utal.com	nple Log-In Check List					
Client Name: Lucid Energy Delaware	Work Order Num	ber: 2009396		RcptNo	: 1				
Received By: Juan Rojas	9/5/2020 7:45:00 A	M	(Juan 3 g						
Completed By: Juan Rojas	9/5/2020 8:53:49 A	M	Guarrang						
Reviewed By: JR 96720									
Chain of Custody			_						
1. Is Chain of Custody complete?		Yes 🗸	No 🗌	Not Present					
2. How was the sample delivered?		Courier							
Log In 3. Was an attempt made to cool the samples	?	Yes 🗹	No 🗌	NA 🗌					
4. Were all samples received at a temperature	e of >0° C to 6.0°C	Yes 🔽	No 🗌						
5. Sample(s) in proper container(s)?		Yes 🗹	No 🗌						
6. Sufficient sample volume for indicated test(s)?	Yes 🖌	No 🗌						
7. Are samples (except VOA and ONG) prope	dy preserved?	Yes 🗸	No 🗌						
8. Was preservative added to bottles?		Yes 🗌	No 🔽	NA 🗌					
9. Received at least 1 vial with headspace <1/	4" for AQ VOA?	Yes 🗌	No 🗌	NA 🗹					
10. Were any sample containers received brok	en?	Yes	No 🗹						
11. Does paperwork match bottle labels?		Yes 🔽	No 🗌	# of preserved bottles checked for pH:					
(Note discrepancies on chain of custody)				(<2 or	✓12 unless noted)				
12. Are matrices correctly identified on Chain of	Custody?	Yes 🗹		Aujusteu					
14 Were all holding times able to be met?		Yes V		Checked by:	SPA G. S.D.M.				
(If no, notify customer for authorization.)				9100100 by:	5/11/2 20				
Special Handling (if applicable)									
15. Was client notified of all discrepancies with	this order?	Yes	No 🗌	NA 🗹					
Person Notified:	Date								
By Whom:	Via:	eMail] Phone 🗌 Fax	In Person					
Regarding:									
Client Instructions:									
16. Additional remarks:									
17. <u>Cooler Information</u>		_							
Cooler No Temp °C Condition S	eal Intact Seal No	Seal Date	Signed By						
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October 27, 2020

Michael Gant Lucid Energy Delaware 201 South 4th St. Artesia, NM 88210 TEL: FAX: Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: clients.hallenvironmental.com

OrderNo.: 2010A24

RE: Riverside

Dear Michael Gant:

Hall Environmental Analysis Laboratory received 2 sample(s) on 10/22/2020 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Analytical Report

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2010A24

Date Reported: 10/27/2020

CLIENT:	Lucid Energy Delaware		Cl	ient Sa	ample II): B-	19-C	
Project:	Riverside		(Collect	ion Dat	e: 10	/21/2020 12:00:00 PM	
Lab ID:	2010A24-001	Matrix: SOIL		Recei	ved Dat	e: 10	/22/2020 7:40:00 AM	
Analyses		Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA MET	THOD 300.0: ANIONS						Analyst	CAS
Chloride		ND	60		mg/Kg	20	10/23/2020 9:24:09 PN	56009
ЕРА МЕТ	THOD 8015M/D: DIESEL RANG	E ORGANICS					Analyst	BRM
Diesel R	ange Organics (DRO)	220	9.8		mg/Kg	1	10/23/2020 12:31:47 P	M 55992
Motor Oi	I Range Organics (MRO)	150	49		mg/Kg	1	10/23/2020 12:31:47 P	M 55992
Surr: [DNOP	121	30.4-154		%Rec	1	10/23/2020 12:31:47 P	M 55992
ЕРА МЕТ	THOD 8015D: GASOLINE RANG	GE					Analyst	RAA
Gasoline	e Range Organics (GRO)	ND	24		mg/Kg	5	10/24/2020 4:32:18 AN	55990
Surr: E	BFB	105	75.3-105	S	%Rec	5	10/24/2020 4:32:18 AN	55990
EPA MET	THOD 8021B: VOLATILES						Analyst	RAA
Benzene)	ND	0.12		mg/Kg	5	10/24/2020 4:32:18 AN	55990
Toluene		ND	0.24		mg/Kg	5	10/24/2020 4:32:18 AN	55990
Ethylben	izene	ND	0.24		mg/Kg	5	10/24/2020 4:32:18 AN	55990
Xylenes,	Total	0.48	0.48		mg/Kg	5	10/24/2020 4:32:18 AN	55990
Surr: 4	4-Bromofluorobenzene	102	80-120		%Rec	5	10/24/2020 4:32:18 AM	55990

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 1 of 6

Analytical Report

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2010A24

Date Reported: 10/27/2020

CLIENT:	Lucid Energy Delaware		Cl	ient S	ample II): B-	20-C	
Project:	Riverside		(Collec	tion Dat	e: 10	/21/2020 12:05:00 PM	M
Lab ID:	2010A24-002	Matrix: SOIL		Recei	ved Dat	e: 10	/22/2020 7:40:00 AN	1
Analyses		Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA MET	THOD 300.0: ANIONS						Analy	st: CAS
Chloride		ND	60		mg/Kg	20	10/23/2020 10:26:11	PM 56009
EPA MET	THOD 8015M/D: DIESEL RAN	GE ORGANICS					Analy	st: BRM
Diesel R	ange Organics (DRO)	180	9.8		mg/Kg	1	10/23/2020 12:41:31	PM 55992
Motor Oi	I Range Organics (MRO)	93	49		mg/Kg	1	10/23/2020 12:41:31	PM 55992
Surr: [DNOP	111	30.4-154		%Rec	1	10/23/2020 12:41:31	PM 55992
ЕРА МЕТ	THOD 8015D: GASOLINE RAI	NGE					Analy	st: RAA
Gasoline	e Range Organics (GRO)	ND	24		mg/Kg	5	10/24/2020 6:05:53 A	M 55990
Surr: E	BFB	106	75.3-105	S	%Rec	5	10/24/2020 6:05:53 A	M 55990
EPA MET	THOD 8021B: VOLATILES						Analy	st: RAA
Benzene		ND	0.12		mg/Kg	5	10/24/2020 6:05:53 A	M 55990
Toluene		ND	0.24		mg/Kg	5	10/24/2020 6:05:53 A	M 55990
Ethylben	izene	ND	0.24		mg/Kg	5	10/24/2020 6:05:53 A	M 55990
Xylenes,	Total	ND	0.48		mg/Kg	5	10/24/2020 6:05:53 A	M 55990
Surr: 4	4-Bromofluorobenzene	101	80-120		%Rec	5	10/24/2020 6:05:53 A	M 55990

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
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Page 2 of 6

Client: Project:	Lucid En Riverside	ergy Delawa	re								
Sample ID: Client ID:	MB-56009 PBS	SampTy Batch I	De: m l	olk 009	Tesi	tCode: EF	A Method	300.0: Anion:	s		
Prep Date:	10/23/2020	Analysis Dat	e: 10	0/23/2020	S	eqNo: 25	63358	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		ND	1.5								
Sample ID:	LCS-56009	SampTy	be: Ics	6	Tes	tCode: EF	A Method	300.0: Anion	S		
Client ID:	LCSS	Batch I	D: 56	009	R	lunNo: 72	2886				
Prep Date:	10/23/2020	Analysis Dat	e: 10	0/23/2020	S	eqNo: 25	63359	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		14	1.5	15.00	0	92.0	90	110			

Qualifiers:

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- PQL Practical Quanitative Limit
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- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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2010A24

27-Oct-20

Client:	Lucid Ener	rgy Delav	vare												
Project:	Riverside														
Sample ID: LCS-5	55992	SampT	ype: LC	S	TestCode: EPA Method 8015M/D: Diesel Range Organics										
Client ID: LCSS		Batch	n ID: 55	992	R	RunNo: 72876									
Prep Date: 10/2	2/2020	Analysis Date: 10/23/2020			S	eqNo: 2	562831	Units: mg/Kg							
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual				
Diesel Range Organics	(DRO)	47	10	50.00	0	94.8	70	130							
Surr: DNOP		4.7		5.000		93.4	30.4	154							
Sample ID: MB-5	5992	SampT	ype: ME	BLK	TestCode: EPA Method 8015M/D: Diesel Range Organics										
Client ID: PBS		Batch	n ID: 55	992	R	tunNo: 72	2876								
Prep Date: 10/2	2/2020	Analysis D	ate: 10)/23/2020	S	eqNo: 2	562833	Units: mg/K	g						
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual				
Diesel Range Organics	(DRO)	ND	10												
Motor Oil Range Organ	iics (MRO)	ND	50												
Surr: DNOP		9.3		10.00		92.5	30.4	154							

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
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- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
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- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 4 of 6

2010A24

27-Oct-20

Client: Project:	Lucid Ener Riverside	rgy Delav	vare												
Sample ID: Ics-5	5990	SampT	ype: LC	S	TestCode: EPA Method 8015D: Gasoline Range										
Client ID: LCSS	5	Batch ID: 55990			R	tunNo: 7	2897								
Prep Date: 10/2	22/2020	Analysis Date: 10/24/2020			S	eqNo: 2	562395	Units: mg/Kg							
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual				
Gasoline Range Organ	nics (GRO)	21	5.0	25.00	0	85.0	72.5	106							
Surr: BFB		1100		1000		107	75.3	105			S				
Sample ID: mb-5	5990	SampT	ype: ME	BLK	TestCode: EPA Method 8015D: Gasoline Range										
Client ID: PBS		Batch	D: 55	990	RunNo: 72897										
Prep Date: 10/22/2020		Analysis D	ate: 10)/24/2020	S	eqNo: 2	562397	Units: mg/K	g						
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual				
Gasoline Range Organ	nics (GRO)	ND	5.0												
Surr: BFB		960		1000		96.1	75.3	105							

Qualifiers:

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- D Sample Diluted Due to Matrix
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- P Sample pH Not In Range
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2010A24

27-Oct-20

Client: Project:	Lucid Ene Riverside	ergy Delav	ware													
Sample ID:	2010a24-001ams	SampT	Гуре: М	6	Tes	tCode: El	PA Method	8021B: Volat	tiles							
Client ID:	B-19-C	Batcl	h ID: 55	990	F	RunNo: 72897										
Prep Date:	10/22/2020	Analysis D	Date: 10)/24/2020	S	SeqNo: 2	562427	Units: mg/Kg								
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual					
Benzene		0.90	0.12	0.9911	0	90.8	76.3	120								
Toluene		1.0	0.25	0.9911	0.1186	93.4	78.5	120								
Ethylbenzene		1.1	0.25	0.9911	0.1067	96.9	78.1	124								
Xylenes, Total		3.4	0.50	2.973	0.4838	98.7	79.3	125								
Surr: 4-Bron	nofluorobenzene	5.0		4.955		101	80	120								
Sample ID:	2010a24-001amsd	SampT	Гуре: М S	SD.	Tes	TestCode: EPA Method 8021B: Volatiles										
Client ID:	B-19-C	Batcl	h ID: 55	990	F	RunNo: 7 2	2897									
Prep Date:	10/22/2020	Analysis D	Date: 10)/24/2020	S	SeqNo: 2	562428	Units: mg/k	(g							
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual					
Benzene		0.85	0.12	0.9785	0	86.9	76.3	120	5.73	20						
Toluene		0.98	0.24	0.9785	0.1186	88.5	78.5	120	5.89	20						
Ethylbenzene		1.0	0.24	0.9785	0.1067	92.9	78.1	124	4.97	20						
Xylenes, Total		3.2	0.49	2.935	0.4838	93.2	79.3	125	5.98	20						
Surr: 4-Bron	nofluorobenzene	5.0		4.892		103	80	120	0	0						
Sample ID:	LCS-55990	SampT	Type: LC	S	Tes	tCode: El	PA Method	8021B: Volat	tiles							
Client ID:	LCSS	Batcl	h ID: 55	990	RunNo: 72897											
Prep Date:	10/22/2020	Analysis D	Date: 10)/24/2020	S	SeqNo: 2	562444	٢g								
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual					
Benzene		0.92	0.025	1.000	0	92.3	80	120								
Toluene		0.96	0.050	1.000	0	95.7	80	120								
Ethylbenzene		0.97	0.050	1.000	0	96.7	80	120								
Xylenes, Total		2.9	0.10	3.000	0	96.6	80	120								
Surr: 4-Bron	nofluorobenzene	1.1		1.000		106	80	120								
Sample ID:	mb-55990	SampT	ype: ME	BLK	Tes	tCode: El	PA Method	8021B: Volat	tiles							
Client ID:	PBS	Batcl	h ID: 55	990	F	RunNo: 7 2	2897									
Prep Date:	10/22/2020	Analysis D	Date: 10)/24/2020	S	SeqNo: 2	562446	Units: mg/k	(g							
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual					
Benzene		ND	0.025													
Toluene		ND	0.050													
Ethylbenzene		ND	0.050													
Xylenes, Total		ND	0.10													
Surr: 4-Bron	nofluorobenzene	1.0		1.000		102	80	120								

Qualifiers:

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WO#:	2010A24

27-Oct-20

Page	<i>102</i>	of	140

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HALL ENVIRONMENTAL ANALYSIS LABORATORY	Hall Environmenta Ali TEL: 505-345-397 Website: clients.h	ıl Analy: 490 buquerq 5 FAX: vallenvir	sis Laboratory 1 Hawkins NE ue, NM 87109 505-345-4107 onmental.com	Page 1 Sample Log-In Check List					
Client Name: Lucid Energy Delaware	Work Order Numbe	r: 2010)A24		RcptNo: 1				
Received By: Isaiah Ortiz	10/22/2020 7:40:00 A	м		ILC	2-X				
Completed By: Emily Mocho	10/22/2020 8:08:02 A	м							
Reviewed By: 5ph 10.22:	20								
Chain of Custody									
1. Is Chain of Custody complete?		Yes	\checkmark	No 🗌	Not Present				
2. How was the sample delivered?		Cour	ier						
<u>Log In</u>									
3. Was an attempt made to cool the samples?		Yes	\checkmark	No 🗌	NA 🗌				
4. Were all samples received at a temperature of	of >0° C to 6.0°C	Yes	\checkmark	No 🗌	NA 🗌				
5. Sample(s) in proper container(s)?		Yes	\checkmark	No 🗌					
6. Sufficient sample volume for indicated test(s)	?	Yes	v	No 🗌					
7. Are samples (except VOA and ONG) properly	preserved?	Yes	\checkmark	No 🗌					
8. Was preservative added to bottles?		Yes		No 🗹	NA 🗌				
9. Received at least 1 vial with headspace <1/4"	for AQ VOA?	Yes		No 🗌	NA 🗹				
10. Were any sample containers received broker	?	Yes		No 🗹					
11. Does paperwork match bottle labels?		Yes	\checkmark	No 🗍	# of preserved bottles checked for pH:				
(Note discrepancies on chain of custody)		100			(<2 or >12 unless noted)				
12. Are matrices correctly identified on Chain of C	ustody?	Yes	\checkmark	No 🗌	Adjusted?				
13. Is it clear what analyses were requested?		Yes	\checkmark	No 🗌					
 Were all holding times able to be met? (If no, notify customer for authorization.) 		Yes	\checkmark	No 🗌	Checked by: 12 10 22 20				
Special Handling (if applicable)				,					
15. Was client notified of all discrepancies with the	nis order?	Yes		No 🗌	NA 🗸				
Person Notified:	Date [.]	A men or cashe and the serve	en de calemant de la referencia de calema	Electron comme					
By Whom:	Via:	eMa	il 🗌 Phone	Eav					
Regarding:	via. [
Client Instructions:		u anars - an eadar		Postario (1994).					
16. Additional remarks:									
17. <u>Cooler Information</u> Cooler No Temp °C Condition Ser 1 1.8 Good Not	al Intact Seal No S Present	Seal Da	te Sign	ed By					

Page 1 of 1

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Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: clients.hallenvironmental.com

October 30, 2020

Michael Gant Lucid Energy Delaware 201 South 4th St. Artesia, NM 88210 TEL: FAX:

OrderNo.: 2010B63

RE: Riverside

Dear Michael Gant:

Hall Environmental Analysis Laboratory received 12 sample(s) on 10/24/2020 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

Ander

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Project: Riverside

Analytical Report Lab Order 2010B63

Date Reported: 10/30/2020 Client Sample ID: B-21-C Collection Date: 10/23/2020 9:30:00 AM

Lab ID: 2010B63-001	Matrix: SOIL		Received Dat	e: 10	/24/2020 8:45:00 AM	
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: JMT
Chloride	ND	61	mg/Kg	20	10/29/2020 5:21:16 PM	56115
EPA METHOD 8015D MOD: GASOLINE R	ANGE				Analyst	JMR
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	10/26/2020 2:33:04 AM	56019
Surr: BFB	107	70-130	%Rec	1	10/26/2020 2:33:04 AM	56019
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	BRM
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	10/27/2020 11:46:28 AI	M 56030
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	10/27/2020 11:46:28 AI	M 56030
Surr: DNOP	100	30.4-154	%Rec	1	10/27/2020 11:46:28 AI	M 56030
EPA METHOD 8260B: VOLATILES SHOR	T LIST				Analyst	: JMR
Benzene	ND	0.025	mg/Kg	1	10/26/2020 2:33:04 AM	56019
Toluene	ND	0.049	mg/Kg	1	10/26/2020 2:33:04 AM	56019
Ethylbenzene	ND	0.049	mg/Kg	1	10/26/2020 2:33:04 AM	56019
Xylenes, Total	ND	0.098	mg/Kg	1	10/26/2020 2:33:04 AM	56019
Surr: 1,2-Dichloroethane-d4	95.2	70-130	%Rec	1	10/26/2020 2:33:04 AM	56019
Surr: 4-Bromofluorobenzene	104	70-130	%Rec	1	10/26/2020 2:33:04 AM	56019
Surr: Dibromofluoromethane	106	70-130	%Rec	1	10/26/2020 2:33:04 AM	56019
Surr: Toluene-d8	106	70-130	%Rec	1	10/26/2020 2:33:04 AM	56019

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

В Analyte detected in the associated Method Blank

- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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Lab ID:

CLIENT: Lucid Energy Delaware

2010B63-002

Riverside

Analytical Report
Lab Order 2010B63

Date Reported: 10/30/2020

Client Sample ID: B-22-C
Collection Date: 10/23/2020 9:40:00 AM
Received Date: 10/24/2020 8:45:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	JMT
Chloride	ND	60	mg/Kg	20	10/29/2020 5:58:29 PM	56115
EPA METHOD 8015D MOD: GASOLINE RANGE					Analyst	JMR
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	10/26/2020 3:01:36 AM	56019
Surr: BFB	105	70-130	%Rec	1	10/26/2020 3:01:36 AM	56019
EPA METHOD 8015M/D: DIESEL RANGE ORGAI	NICS				Analyst	BRM
Diesel Range Organics (DRO)	ND	9.4	mg/Kg	1	10/27/2020 12:58:18 PM	A 56030
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	10/27/2020 12:58:18 PM	A 56030
Surr: DNOP	98.0	30.4-154	%Rec	1	10/27/2020 12:58:18 PM	1 56030
EPA METHOD 8260B: VOLATILES SHORT LIST					Analyst	JMR
Benzene	ND	0.024	mg/Kg	1	10/26/2020 3:01:36 AM	56019
Toluene	ND	0.049	mg/Kg	1	10/26/2020 3:01:36 AM	56019
Ethylbenzene	ND	0.049	mg/Kg	1	10/26/2020 3:01:36 AM	56019
Xylenes, Total	ND	0.098	mg/Kg	1	10/26/2020 3:01:36 AM	56019
Surr: 1,2-Dichloroethane-d4	94.5	70-130	%Rec	1	10/26/2020 3:01:36 AM	56019
Surr: 4-Bromofluorobenzene	102	70-130	%Rec	1	10/26/2020 3:01:36 AM	56019
Surr: Dibromofluoromethane	103	70-130	%Rec	1	10/26/2020 3:01:36 AM	56019
Surr: Toluene-d8	100	70-130	%Rec	1	10/26/2020 3:01:36 AM	56019

Matrix: SOIL

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum Contaminant Level.D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Lab ID:

CLIENT: Lucid Energy Delaware

2010B63-003

Riverside

Analytical Report
Lab Order 2010B63

Hall Environmental	Analysis	Laboratory,	Inc.
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Date Reported: 10/30/2020 Client Sample ID: SW-23-C Collection Date: 10/23/2020 9:50:00 AM

Received Date: 10/24/2020 8:45:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	ЈМТ
Chloride	93	60	mg/Kg	20	10/29/2020 6:10:54 PM	56115
EPA METHOD 8015D MOD: GASOLINE RANGE					Analyst	JMR
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	10/26/2020 3:30:07 AM	56019
Surr: BFB	104	70-130	%Rec	1	10/26/2020 3:30:07 AM	56019
EPA METHOD 8015M/D: DIESEL RANGE ORGAI	NICS				Analyst	BRM
Diesel Range Organics (DRO)	48	8.7	mg/Kg	1	10/27/2020 1:22:08 PM	56030
Motor Oil Range Organics (MRO)	ND	44	mg/Kg	1	10/27/2020 1:22:08 PM	56030
Surr: DNOP	105	30.4-154	%Rec	1	10/27/2020 1:22:08 PM	56030
EPA METHOD 8260B: VOLATILES SHORT LIST					Analyst	JMR
Benzene	ND	0.025	mg/Kg	1	10/26/2020 3:30:07 AM	56019
Toluene	ND	0.050	mg/Kg	1	10/26/2020 3:30:07 AM	56019
Ethylbenzene	ND	0.050	mg/Kg	1	10/26/2020 3:30:07 AM	56019
Xylenes, Total	ND	0.099	mg/Kg	1	10/26/2020 3:30:07 AM	56019
Surr: 1,2-Dichloroethane-d4	96.8	70-130	%Rec	1	10/26/2020 3:30:07 AM	56019
Surr: 4-Bromofluorobenzene	109	70-130	%Rec	1	10/26/2020 3:30:07 AM	56019
Surr: Dibromofluoromethane	103	70-130	%Rec	1	10/26/2020 3:30:07 AM	56019
Surr: Toluene-d8	99.0	70-130	%Rec	1	10/26/2020 3:30:07 AM	56019

Matrix: SOIL

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum Contaminant Level.D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Lab ID:

CLIENT: Lucid Energy Delaware

2010B63-004

Riverside

Analytical Report
Lab Order 2010B63

Hall	Environm	iental A	Analysis	Laborato	ry, Inc.

Date Reported: 10/30/2020 Client Sample ID: SW-24-C Collection Date: 10/23/2020 10:00:00 AM

Received Date: 10/24/2020 8:45:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst:	ЈМТ
Chloride	95	61	mg/Kg	20	10/29/2020 6:23:19 PM	56115
EPA METHOD 8015D MOD: GASOLINE RANGE					Analyst:	JMR
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	10/26/2020 3:58:36 AM	56019
Surr: BFB	98.1	70-130	%Rec	1	10/26/2020 3:58:36 AM	56019
EPA METHOD 8015M/D: DIESEL RANGE ORGAN	NICS				Analyst:	BRM
Diesel Range Organics (DRO)	24	10	mg/Kg	1	10/27/2020 1:46:05 PM	56030
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	10/27/2020 1:46:05 PM	56030
Surr: DNOP	90.6	30.4-154	%Rec	1	10/27/2020 1:46:05 PM	56030
EPA METHOD 8260B: VOLATILES SHORT LIST					Analyst:	JMR
Benzene	ND	0.025	mg/Kg	1	10/26/2020 3:58:36 AM	56019
Toluene	ND	0.049	mg/Kg	1	10/26/2020 3:58:36 AM	56019
Ethylbenzene	ND	0.049	mg/Kg	1	10/26/2020 3:58:36 AM	56019
Xylenes, Total	ND	0.099	mg/Kg	1	10/26/2020 3:58:36 AM	56019
Surr: 1,2-Dichloroethane-d4	96.6	70-130	%Rec	1	10/26/2020 3:58:36 AM	56019
Surr: 4-Bromofluorobenzene	104	70-130	%Rec	1	10/26/2020 3:58:36 AM	56019
Surr: Dibromofluoromethane	102	70-130	%Rec	1	10/26/2020 3:58:36 AM	56019
Surr: Toluene-d8	99.8	70-130	%Rec	1	10/26/2020 3:58:36 AM	56019

Matrix: SOIL

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum Contaminant Level.D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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CLIENT: Lucid Energy Delaware Riverside

Analytical Report Lab Order 2010B63

Date Reported: 10/30/2020

Client Sample ID: SW-25-C Collection Date: 10/23/2020 11:30:00 AM Presived Date: 10/24/2020 8:45:00 AM

Lab ID: 2010B63-005	Matrix: SOIL		Received Date: 10/24/2020 8:45:00 AM					
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch		
EPA METHOD 300.0: ANIONS					Analyst	JMT		
Chloride	92	60	mg/Kg	20	10/29/2020 6:35:44 PM	56115		
EPA METHOD 8015D MOD: GASOLI	NE RANGE				Analyst	JMR		
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	10/27/2020 4:47:21 PM	56022		
Surr: BFB	99.6	70-130	%Rec	1	10/27/2020 4:47:21 PM	56022		
EPA METHOD 8015M/D: DIESEL RA	NGE ORGANICS				Analyst	BRM		
Diesel Range Organics (DRO)	61	9.6	mg/Kg	1	10/27/2020 2:10:00 PM	56030		
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	10/27/2020 2:10:00 PM	56030		
Surr: DNOP	103	30.4-154	%Rec	1	10/27/2020 2:10:00 PM	56030		
EPA METHOD 8260B: VOLATILES S	HORT LIST				Analyst	JMR		
Benzene	ND	0.025	mg/Kg	1	10/27/2020 4:47:21 PM	56022		
Toluene	ND	0.049	mg/Kg	1	10/27/2020 4:47:21 PM	56022		
Ethylbenzene	ND	0.049	mg/Kg	1	10/27/2020 4:47:21 PM	56022		
Xylenes, Total	ND	0.099	mg/Kg	1	10/27/2020 4:47:21 PM	56022		
Surr: 1,2-Dichloroethane-d4	90.3	70-130	%Rec	1	10/27/2020 4:47:21 PM	56022		
Surr: 4-Bromofluorobenzene	96.8	70-130	%Rec	1	10/27/2020 4:47:21 PM	56022		
Surr: Dibromofluoromethane	106	70-130	%Rec	1	10/27/2020 4:47:21 PM	56022		
Surr: Toluene-d8	99.6	70-130	%Rec	1	10/27/2020 4:47:21 PM	56022		

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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CLIENT: Lucid Energy Delaware

Riverside

Analytical Report
Lab Order 2010B63

Date Reported: 10/30/2020

Client Sample ID: SW-26-C Collection Date: 10/23/2020 11:40:00 AM Received Date: 10/24/2020 8:45:00 AM

Lab ID: 2010B63-006	Matrix: SOIL		Received Date: 10/24/2020 8:45:00 AM					
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch		
EPA METHOD 300.0: ANIONS					Analyst	: JMT		
Chloride	85	60	mg/Kg	20	10/29/2020 6:48:08 PM	56115		
EPA METHOD 8015D MOD: GASOLII	NE RANGE				Analyst	JMR		
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	10/27/2020 6:12:54 PM	56022		
Surr: BFB	110	70-130	%Rec	1	10/27/2020 6:12:54 PM	56022		
EPA METHOD 8015M/D: DIESEL RAI	NGE ORGANICS				Analyst	BRM		
Diesel Range Organics (DRO)	20	9.3	mg/Kg	1	10/27/2020 2:34:03 PM	56030		
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	10/27/2020 2:34:03 PM	56030		
Surr: DNOP	99.1	30.4-154	%Rec	1	10/27/2020 2:34:03 PM	56030		
EPA METHOD 8260B: VOLATILES S	HORT LIST				Analyst	: JMR		
Benzene	ND	0.025	mg/Kg	1	10/27/2020 6:12:54 PM	56022		
Toluene	ND	0.049	mg/Kg	1	10/27/2020 6:12:54 PM	56022		
Ethylbenzene	ND	0.049	mg/Kg	1	10/27/2020 6:12:54 PM	56022		
Xylenes, Total	ND	0.098	mg/Kg	1	10/27/2020 6:12:54 PM	56022		
Surr: 1,2-Dichloroethane-d4	99.2	70-130	%Rec	1	10/27/2020 6:12:54 PM	56022		
Surr: 4-Bromofluorobenzene	107	70-130	%Rec	1	10/27/2020 6:12:54 PM	56022		
Surr: Dibromofluoromethane	102	70-130	%Rec	1	10/27/2020 6:12:54 PM	56022		
Surr: Toluene-d8	103	70-130	%Rec	1	10/27/2020 6:12:54 PM	56022		

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum Contaminant Level.D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Lab ID:

CLIENT: Lucid Energy Delaware

2010B63-007

Riverside

Analytical Report
Lab Order 2010B63

Hall Environmental	l Analysis	Laboratory,	Inc.
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Date Reported: 10/30/2020 Client Sample ID: SW-27-C Collection Date: 10/23/2020 11:45:00 AM

Received Date: 10/24/2020 8:45:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	JMT
Chloride	150	61	mg/Kg	20	10/29/2020 7:37:46 PM	56115
EPA METHOD 8015D MOD: GASOLINE RANGE					Analyst:	JMR
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	10/27/2020 7:38:26 PM	56022
Surr: BFB	104	70-130	%Rec	1	10/27/2020 7:38:26 PM	56022
EPA METHOD 8015M/D: DIESEL RANGE ORGAI	NICS				Analyst	BRM
Diesel Range Organics (DRO)	ND	9.6	mg/Kg	1	10/27/2020 3:21:56 PM	56030
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	10/27/2020 3:21:56 PM	56030
Surr: DNOP	96.7	30.4-154	%Rec	1	10/27/2020 3:21:56 PM	56030
EPA METHOD 8260B: VOLATILES SHORT LIST					Analyst	JMR
Benzene	ND	0.024	mg/Kg	1	10/27/2020 7:38:26 PM	56022
Toluene	ND	0.049	mg/Kg	1	10/27/2020 7:38:26 PM	56022
Ethylbenzene	ND	0.049	mg/Kg	1	10/27/2020 7:38:26 PM	56022
Xylenes, Total	ND	0.097	mg/Kg	1	10/27/2020 7:38:26 PM	56022
Surr: 1,2-Dichloroethane-d4	90.2	70-130	%Rec	1	10/27/2020 7:38:26 PM	56022
Surr: 4-Bromofluorobenzene	110	70-130	%Rec	1	10/27/2020 7:38:26 PM	56022
Surr: Dibromofluoromethane	104	70-130	%Rec	1	10/27/2020 7:38:26 PM	56022
Surr: Toluene-d8	101	70-130	%Rec	1	10/27/2020 7:38:26 PM	56022

Matrix: SOIL

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum Contaminant Level.D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Project: Riverside

Surr: Toluene-d8

CLIENT: Lucid Energy Delaware

Analytical Report
Lab Order 2010B63

Date Reported: 10/30/2020

10/27/2020 8:07:09 PM 56022

Client Sample ID: SW-28-C Collection Date: 10/23/2020 11:50:00 AM

Lab ID: 2010B63-008	Matrix: SOIL		Received Date: 10/24/2020 8:45:00 AM					
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch		
EPA METHOD 300.0: ANIONS					Analyst:	ЈМТ		
Chloride	250	59	mg/Kg	20	10/29/2020 7:50:11 PM	56115		
EPA METHOD 8015D MOD: GASOLINE RA	NGE				Analyst:	JMR		
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	10/27/2020 8:07:09 PM	56022		
Surr: BFB	109	70-130	%Rec	1	10/27/2020 8:07:09 PM	56022		
EPA METHOD 8015M/D: DIESEL RANGE O	RGANICS				Analyst:	BRM		
Diesel Range Organics (DRO)	ND	9.5	mg/Kg	1	10/27/2020 3:45:49 PM	56030		
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	10/27/2020 3:45:49 PM	56030		
Surr: DNOP	96.6	30.4-154	%Rec	1	10/27/2020 3:45:49 PM	56030		
EPA METHOD 8260B: VOLATILES SHORT	LIST				Analyst:	JMR		
Benzene	ND	0.025	mg/Kg	1	10/27/2020 8:07:09 PM	56022		
Toluene	ND	0.050	mg/Kg	1	10/27/2020 8:07:09 PM	56022		
Ethylbenzene	ND	0.050	mg/Kg	1	10/27/2020 8:07:09 PM	56022		
Xylenes, Total	ND	0.10	mg/Kg	1	10/27/2020 8:07:09 PM	56022		
Surr: 1,2-Dichloroethane-d4	92.9	70-130	%Rec	1	10/27/2020 8:07:09 PM	56022		
Surr: 4-Bromofluorobenzene	105	70-130	%Rec	1	10/27/2020 8:07:09 PM	56022		
Surr: Dibromofluoromethane	103	70-130	%Rec	1	10/27/2020 8:07:09 PM	56022		

105

70-130

%Rec

1

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum Contaminant Level.D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Lab ID:

CLIENT: Lucid Energy Delaware

2010B63-009

Riverside

Analytical Report
Lab Order 2010B63

Date Reported: 10/30/2020 Client Sample ID: SW-29-C Collection Date: 10/23/2020 11:55:00 AM

Received Date: 10/24/2020 8:45:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst:	ЈМТ
Chloride	310	59	mg/Kg	20	10/29/2020 7:25:21 PM	56115
EPA METHOD 8015D MOD: GASOLINE RANGE					Analyst	JMR
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	10/27/2020 8:35:43 PM	56022
Surr: BFB	102	70-130	%Rec	1	10/27/2020 8:35:43 PM	56022
EPA METHOD 8015M/D: DIESEL RANGE ORGA	NICS				Analyst	BRM
Diesel Range Organics (DRO)	ND	9.3	mg/Kg	1	10/27/2020 4:09:46 PM	56030
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	10/27/2020 4:09:46 PM	56030
Surr: DNOP	88.9	30.4-154	%Rec	1	10/27/2020 4:09:46 PM	56030
EPA METHOD 8260B: VOLATILES SHORT LIST					Analyst:	JMR
Benzene	ND	0.025	mg/Kg	1	10/27/2020 8:35:43 PM	56022
Toluene	ND	0.049	mg/Kg	1	10/27/2020 8:35:43 PM	56022
Ethylbenzene	ND	0.049	mg/Kg	1	10/27/2020 8:35:43 PM	56022
Xylenes, Total	ND	0.098	mg/Kg	1	10/27/2020 8:35:43 PM	56022
Surr: 1,2-Dichloroethane-d4	95.5	70-130	%Rec	1	10/27/2020 8:35:43 PM	56022
Surr: 4-Bromofluorobenzene	101	70-130	%Rec	1	10/27/2020 8:35:43 PM	56022
Surr: Dibromofluoromethane	100	70-130	%Rec	1	10/27/2020 8:35:43 PM	56022
Surr: Toluene-d8	102	70-130	%Rec	1	10/27/2020 8:35:43 PM	56022

Matrix: SOIL

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum Contaminant Level.D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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CLIENT: Lucid Energy Delaware

Riverside

Analytical Report
Lab Order 2010B63

Date Reported: 10/30/2020

Hall Env	vironmental	Analysis	Laboratory,	Inc.

Client Sample ID: SW-30-C Collection Date: 10/23/2020 12:00:00 PM Received Date: 10/24/2020 8:45:00 AM

Lab ID: 2010B63-010	Matrix: SOIL		Received Date: 10/24/2020 8:45:00 AM					
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch		
EPA METHOD 300.0: ANIONS					Analyst	JMT		
Chloride	450	60	mg/Kg	20	10/29/2020 8:02:35 PM	56115		
EPA METHOD 8015D MOD: GASOLIN	E RANGE				Analyst	JMR		
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	10/27/2020 9:04:13 PM	56022		
Surr: BFB	101	70-130	%Rec	1	10/27/2020 9:04:13 PM	56022		
EPA METHOD 8015M/D: DIESEL RAN	GE ORGANICS				Analyst	BRM		
Diesel Range Organics (DRO)	ND	9.7	mg/Kg	1	10/27/2020 4:33:39 PM	56030		
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	10/27/2020 4:33:39 PM	56030		
Surr: DNOP	109	30.4-154	%Rec	1	10/27/2020 4:33:39 PM	56030		
EPA METHOD 8260B: VOLATILES SH	ORT LIST				Analyst	JMR		
Benzene	ND	0.025	mg/Kg	1	10/27/2020 9:04:13 PM	56022		
Toluene	ND	0.050	mg/Kg	1	10/27/2020 9:04:13 PM	56022		
Ethylbenzene	ND	0.050	mg/Kg	1	10/27/2020 9:04:13 PM	56022		
Xylenes, Total	ND	0.10	mg/Kg	1	10/27/2020 9:04:13 PM	56022		
Surr: 1,2-Dichloroethane-d4	90.6	70-130	%Rec	1	10/27/2020 9:04:13 PM	56022		
Surr: 4-Bromofluorobenzene	98.1	70-130	%Rec	1	10/27/2020 9:04:13 PM	56022		
Surr: Dibromofluoromethane	108	70-130	%Rec	1	10/27/2020 9:04:13 PM	56022		
Surr: Toluene-d8	105	70-130	%Rec	1	10/27/2020 9:04:13 PM	56022		

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum Contaminant Level.D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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CLIENT: Lucid Energy Delaware

Riverside

Analytical Report
Lab Order 2010B63

Date Reported: 10/30/2020

Client Sample ID: SW-31-C Collection Date: 10/23/2020 12:10:00 PM Received Date: 10/24/2020 8:45:00 AM

Lab ID: 2010B63-011	Matrix: SOIL		Received Dat	e: 10	/24/2020 8:45:00 AM	
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	JMT
Chloride	260	59	mg/Kg	20	10/29/2020 8:15:00 PM	56115
EPA METHOD 8015D MOD: GASOLINE	ERANGE				Analyst	JMR
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	10/27/2020 9:32:50 PM	56022
Surr: BFB	104	70-130	%Rec	1	10/27/2020 9:32:50 PM	56022
EPA METHOD 8015M/D: DIESEL RANG	GE ORGANICS				Analyst	BRM
Diesel Range Organics (DRO)	ND	9.6	mg/Kg	1	10/27/2020 4:57:33 PM	56030
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	10/27/2020 4:57:33 PM	56030
Surr: DNOP	85.9	30.4-154	%Rec	1	10/27/2020 4:57:33 PM	56030
EPA METHOD 8260B: VOLATILES SH	ORT LIST				Analyst	JMR
Benzene	ND	0.025	mg/Kg	1	10/27/2020 9:32:50 PM	56022
Toluene	ND	0.050	mg/Kg	1	10/27/2020 9:32:50 PM	56022
Ethylbenzene	ND	0.050	mg/Kg	1	10/27/2020 9:32:50 PM	56022
Xylenes, Total	ND	0.10	mg/Kg	1	10/27/2020 9:32:50 PM	56022
Surr: 1,2-Dichloroethane-d4	99.3	70-130	%Rec	1	10/27/2020 9:32:50 PM	56022
Surr: 4-Bromofluorobenzene	104	70-130	%Rec	1	10/27/2020 9:32:50 PM	56022
Surr: Dibromofluoromethane	109	70-130	%Rec	1	10/27/2020 9:32:50 PM	56022
Surr: Toluene-d8	104	70-130	%Rec	1	10/27/2020 9:32:50 PM	56022

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum Contaminant Level.D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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CLIENT: Lucid Energy Delaware

Riverside

Analytical Report
Lab Order 2010B63

Date Reported: 10/30/2020

Hall	Envir	onmental	Anal	vsis L	Laborat	tory, I	nc.
				•/			

Client Sample ID: SW-32-C Collection Date: 10/23/2020 12:20:00 PM Received Date: 10/24/2020 8:45:00 AM

Lab ID: 2010B63-012	Matrix: SOIL		Received Dat	e: 10	/24/2020 8:45:00 AM	
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	ЈМТ
Chloride	320	60	mg/Kg	20	10/29/2020 8:27:24 PM	56115
EPA METHOD 8015D MOD: GASOLINE RA	NGE				Analyst	JMR
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	10/27/2020 10:01:29 PM	/ 56022
Surr: BFB	102	70-130	%Rec	1	10/27/2020 10:01:29 PM	/ 56022
EPA METHOD 8015M/D: DIESEL RANGE C	ORGANICS				Analyst	BRM
Diesel Range Organics (DRO)	ND	9.5	mg/Kg	1	10/27/2020 5:21:26 PM	56030
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	10/27/2020 5:21:26 PM	56030
Surr: DNOP	94.5	30.4-154	%Rec	1	10/27/2020 5:21:26 PM	56030
EPA METHOD 8260B: VOLATILES SHORT	LIST				Analyst	JMR
Benzene	ND	0.025	mg/Kg	1	10/27/2020 10:01:29 PM	/ 56022
Toluene	ND	0.050	mg/Kg	1	10/27/2020 10:01:29 PM	/ 56022
Ethylbenzene	ND	0.050	mg/Kg	1	10/27/2020 10:01:29 PM	/ 56022
Xylenes, Total	ND	0.099	mg/Kg	1	10/27/2020 10:01:29 PM	/ 56022
Surr: 1,2-Dichloroethane-d4	95.1	70-130	%Rec	1	10/27/2020 10:01:29 PM	/ 56022
Surr: 4-Bromofluorobenzene	99.5	70-130	%Rec	1	10/27/2020 10:01:29 PM	/ 56022
Surr: Dibromofluoromethane	108	70-130	%Rec	1	10/27/2020 10:01:29 PM	/ 56022
Surr: Toluene-d8	103	70-130	%Rec	1	10/27/2020 10:01:29 PM	/ 56022

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum Contaminant Level.D Sample Diluted Due to Matrix
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- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Client:	Lucid I	Energy Delay	vare								
Project:	Riversi	de									
Sample ID:	MB-56115	SampT	ype: m k	olk	Tes						
Client ID:	PBS	Batch	n ID: 56	115	F	RunNo: 73	3026				
Prep Date:	10/29/2020	Analysis D	ate: 10)/29/2020	5	SeqNo: 25	g				
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		ND	1.5								
Sample ID:	LCS-56115	SampT	ype: Ics	5	Tes	tCode: EF	PA Method	300.0: Anion	s		
Client ID:	LCSS	Batch	n ID: 56	115	F	RunNo: 73	3026				
Prep Date:	10/29/2020	Analysis D	ate: 10	0/29/2020	S	SeqNo: 2	567345	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		14	1.5	15.00	0	92.9	90	110			

Qualifiers:

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- D Sample Diluted Due to Matrix
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- PQL Practical Quanitative Limit
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- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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30-Oct-20

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QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

Client: Project:	Lucid Ene Riverside	ergy Delaw	vare								
Completio	2040002 004 4MC	CompT			T	tCodo: El		0045M/D. D.		Onnonico	
Sample ID:	2010B63-001AMS	Sampi	ype: Mi	5	Tes		PA Method	8015M/D: Die	esel Range	e Organics	
Client ID:	B-21-C	Batch	ID: 56	030	F	RunNo: 7	2933				
Prep Date:	10/26/2020	Analysis D	ate: 10	0/27/2020	5	SeqNo: 2	565363	Units: mg/K	٤g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range (Organics (DRO)	49	9.9	49.36	0	99.8	15	184			
Surr: DNOP		4.6		4.936		92.6	30.4	154			
Sample ID:	2010B63-001AMS	D SampT	уре: М	SD	Tes	tCode: El	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID:	B-21-C	Batch	ID: 56	030	F	RunNo: 7	2933				
Prep Date:	10/26/2020	Analysis D	ate: 10	0/27/2020	S	SeqNo: 2	565364	Units: mg/K	٤g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range (Organics (DRO)	47	9.7	48.50	0	97.3	15	184	4.23	23.9	
Surr: DNOP		4.4		4.850		90.4	30.4	154	0	0	
Sample ID:	LCS-56030	SampT	ype: LC	s	Tes	tCode: El	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID:	LCSS	Batch	ID: 56	030	F	RunNo: 7	2933				
Prep Date:	10/26/2020	Analysis D	ate: 10	0/27/2020	S	SeqNo: 2	565384	Units: mg/K	٤g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range (Organics (DRO)	46	10	50.00	0	92.6	70	130			
Surr: DNOP		4.3		5.000		85.3	30.4	154			
Sample ID:	MB-56030	SampT	ype: ME	BLK	Tes	tCode: El	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID:	PBS	Batch	ID: 56	030	F	RunNo: 7	2933				
Prep Date:	10/26/2020	Analysis D	ate: 10	0/27/2020	S	SeqNo: 2	565385	Units: mg/K	٤g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range (Organics (DRO)	ND	10								
Motor Oil Rang	ge Organics (MRO)	ND	50								
Surr: DNOP		9.1		10.00		90.5	30.4	154			

Qualifiers:

* Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank

E Value above quantitation range

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

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Client: Lucid En	ergy Delav	ware									
Project: Riverside	•										
Sample ID: Ics-56019	Samp	Гуре: LC	S4	Tes	tCode: EF	PA Method	8260B: Volat	tiles Short	List		
Client ID: BatchQC	Batc	h ID: 560)19	F	RunNo: 72914						
Prep Date: 10/24/2020	Analysis [Date: 10	/25/2020	S	SeqNo: 2563106			Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Benzene	0.94	0.025	1.000	0	94.2	80	120				
Toluene	1.0	0.050	1.000	0	104	80	120				
Ethylbenzene	1.1	0.050	1.000	0	107	80	120				
Xylenes, Total	3.4	0.10	3.000	0	113	80	120				
Surr: 1,2-Dichloroethane-d4	0.47		0.5000		94.5	70	130				
Surr: 4-Bromofluorobenzene	0.53		0.5000		106	70	130				
Surr: Dibromofluoromethane	0.54		0.5000		107	70	130				
Surr: Toluene-d8	0.53		0.5000		105	70	130				
Sample ID: mb-56019	Samp	Гуре: МВ	LK	Tes	tCode: EF	PA Method	8260B: Volat	tiles Short	List		
Client ID: PBS	Batc	h ID: 560)19	RunNo: 72914							
Prep Date: 10/24/2020	Analysis [nalysis Date: 10/25/2020			SeqNo: 2563107 Units:						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Benzene	ND	0.025									
Toluene	ND	0.050									
Ethylbenzene	ND	0.050									
Xylenes, Total	ND	0.10									
Surr: 1,2-Dichloroethane-d4	0.49		0.5000		98.1	70	130				
Surr: 4-Bromofluorobenzene	0.53		0.5000		105	70	130				
Surr: Dibromofluoromethane	0.54		0.5000		108	70	130				
Surr: Toluene-d8	0.49		0.5000		98.6	70	130				
Sample ID: 2010b59-001ams	Samp	Гуре: МЅ	4	Tes	tCode: EF	PA Method	8260B: Volat	tiles Short	List		
Client ID: BatchQC	Batc	h ID: 560)19	F	RunNo: 72	2914					
Prep Date: 10/24/2020	Analysis [Date: 10	/25/2020	5	SeqNo: 2	563109	Units: mg/K	ίg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Benzene	1.1	0.025	0.9980	0	107	71.1	115				
Toluene	1.2	0.050	0.9980	0	123	79.6	132				
Ethylbenzene	1.3	0.050	0.9980	0	125	83.8	134				
Xylenes, Total	3.9	0.10	2.994	0	130	82.4	132				
Surr: 1,2-Dichloroethane-d4	0.48		0.4990		96.3	70	130				
Surr: 4-Bromofluorobenzene	0.55		0.4990		111	70	130				
Surr: Dibromofluoromethane	0.50		0.4990		100	70	130				
Surr: Toluene-d8	0.51		0.4990		102	70	130				

Qualifiers:

* Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank

E Value above quantitation range

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

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WO#:	2010B63
	30-Oct-20

Client:

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

Lucid Energy Delaware

Project:	Riverside										
Sample ID:	2010b59-001amsd	SampTyp	e: MS	SD4	Tes	tCode: El	PA Method	8260B: Volat	iles Short	List	
Client ID:	BatchQC	Batch I	D: 56	019	R	RunNo: 72914					
Prep Date:	10/24/2020	Analysis Dat	e: 10)/25/2020	S	SeqNo: 2	563110	Units: mg/k	ſg		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		1.0	0.025	0.9891	0	105	71.1	115	2.55	20	
Toluene		1.2	0.049	0.9891	0	126	79.6	132	1.64	20	
Ethylbenzene		1.2	0.049	0.9891	0	124	83.8	134	1.78	20	
Xylenes, Total		4.0	0.099	2.967	0	135	82.4	132	3.18	20	S
Surr: 1,2-Dic	hloroethane-d4	0.46		0.4946		92.4	70	130	0	0	
Surr: 4-Brom	ofluorobenzene	0.52		0.4946		105	70	130	0	0	
Surr: Dibrom	ofluoromethane	0.49		0.4946		98.3	70	130	0	0	
Surr: Toluen	e-d8	0.50		0.4946		100	70	130	0	0	
Sample ID:	lcs-56022	SampTyp	e: LC	S4	Tes	tCode: El	PA Method	8260B: Volat	iles Short	List	
Client ID:	BatchQC	Batch I	D: 56	022	R	RunNo: 72964					
Prep Date:	10/25/2020	Analysis Dat	e: 10	0/27/2020	S	SeqNo: 2	565392	Units: mg/H	(g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		0.94	0.025	1.000	0	94.3	80	120			
Toluene		1.1	0.050	1.000	0	111	80	120			
Ethylbenzene		1.0	0.050	1.000	0	104	80	120			
Xylenes, Total		3.4	0.10	3.000	0	114	80	120			
Surr: 1,2-Dic	hloroethane-d4	0.47		0.5000		94.0	70	130			
Surr: 4-Brom	ofluorobenzene	0.50		0.5000		99.6	70	130			
Surr: Dibrom	ofluoromethane	0.53		0.5000		105	70	130			
Surr: Toluen	e-d8	0.52		0.5000		105	70	130			
Sample ID:	mb-56022	SampTyp	e: MI	BLK	Tes	tCode: El	PA Method	8260B: Volat	iles Short	List	
Client ID:	PBS	Batch I	D: 56	022	R	RunNo: 72	2964				
Prep Date:	10/25/2020	Analysis Dat	e: 10	0/27/2020	S	SeqNo: 2	565393	Units: mg/k	(g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		ND	0.025								
Toluene		ND	0.050								
Ethylbenzene		ND	0.050								
Xylenes, Total		ND	0.10								
Surr: 1,2-Dic	hloroethane-d4	0.45		0.5000		90.5	70	130			
Surr: 4-Brom	ofluorobenzene	0.54		0.5000		109	70	130			
Surr: Dibrom	ofluoromethane	0.52		0.5000		105	70	130			
Surr: Toluen	e-d8	0.53		0.5000		105	70	130			

Qualifiers:

* Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank

E Value above quantitation range

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

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WO#:	2010B63
	20 Oct 20

30-Oct-20

Released to Imaging: 12/3/2021 9:42:05 AM

Client:

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

Lucid Energy Delaware

Project: Riverside	e										
Sample ID: 2010b63-005ams	Samp	Гуре: МS	54	Tes	tCode: El	PA Method	8260B: Volat	iles Short	List		
Client ID: SW-25-C	Batc	h ID: 560	022	F	RunNo: 72964						
Prep Date: 10/25/2020	Analysis [Date: 10	/27/2020	S	eqNo: 2	565395	Units: mg/K	g			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Benzene	0.90	0.024	0.9737	0	92.0	71.1	115				
Toluene	1.0	0.049	0.9737	0	107	79.6	132				
Ethylbenzene	1.1	0.049	0.9737	0	108	83.8	134				
Xylenes, Total	3.4	0.097	2.921	0	117	82.4	132				
Surr: 1,2-Dichloroethane-d4	0.45		0.4869		93.0	70	130				
Surr: 4-Bromofluorobenzene	0.48		0.4869		98.3	70	130				
Surr: Dibromofluoromethane	0.52		0.4869		106	70	130				
Surr: Toluene-d8	0.51		0.4869		105	70	130				
Sample ID: 2010b63-005ams	d Samp	Гуре: МS	SD4	Tes	tCode: El	PA Method	8260B: Volat	iles Short	List		
Client ID: SW-25-C	Batc	h ID: 560	022	F	lunNo: 7 2	2964					
Prep Date: 10/25/2020	Analysis [Date: 10	/27/2020	S	SeqNo: 2	565396	Units: mg/K	g			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Benzene	0.88	0.024	0.9785	0	90.1	71.1	115	1.62	20		
Toluene	1.0	0.049	0.9785	0	105	79.6	132	1.71	20		
Ethylbenzene	1.0	0.049	0.9785	0	105	83.8	134	2.41	20		
Xylenes, Total	3.2	0.098	2.935	0	110	82.4	132	5.19	20		
Surr: 1,2-Dichloroethane-d4	0.47		0.4892		96.7	70	130	0	0		
Surr: 4-Bromofluorobenzene	0.51		0.4892		104	70	130	0	0		
Surr: Dibromofluoromethane	0.53		0.4892		108	70	130	0	0		
Surr: Toluene-d8	0.53		0.4892		107	70	130	0	0		

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
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- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range

RL Reporting Limit

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WO#: **2010B63**

-

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

Client: Project:	Riverside	ergy Delaw	vare								
Sample ID:	lcs-56019	SampT	ype: LC	S	Tes	tCode: El	PA Method	8015D Mod:	Gasoline I	Range	
Client ID:	LCSS	Batch	ID: 56	019	F	RunNo: 72914					
Prep Date:	10/24/2020	Analysis Da	ate: 10	/25/2020	5	SeqNo: 2563081 Units: mg/Kg					
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Surr: BFB	Organics (GRO)	22 500	5.0	25.00 500.0	0	87.5 101	70 70	130 130			
Sample ID:	mb-56019	SampT	ype: ME	BLK	Tes	tCode: El	PA Method	8015D Mod:	Gasoline I	Range	
Client ID:	PBS	Batch	ID: 56	019	F	RunNo: 7 2	2914				
Prep Date:	10/24/2020	Analysis Da	ate: 10	/25/2020	S	SeqNo: 2	563082	Units: mg/k	٤g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range	Organics (GRO)	ND	5.0								
Surr: BFB		510		500.0		101	70	130			
Sample ID:	2010b59-002ams	SampT	ype: MS	;	Tes	tCode: El	PA Method	8015D Mod:	Gasoline I	Range	
Client ID:	BatchQC	Batch	ID: 56	019	F	RunNo: 7 2	2914				
Prep Date:	10/24/2020	Analysis Da	ate: 10	/25/2020	5	SeqNo: 2	563086	Units: mg/k	ζg		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range	Organics (GRO)	26	5.0	24.95	0	104	49.2	122			
Surr: BFB		500		499.0		101	70	130			
Sample ID: 2	2010b59-002amsd	SampT	ype: MS	D	Tes	tCode: El	PA Method	8015D Mod:	Gasoline I	Range	
Client ID:	BatchQC	Batch	ID: 56	019	F	RunNo: 7 2	2914				
Prep Date:	10/24/2020	Analysis Da	ate: 10	/25/2020	5	SeqNo: 2	563087	Units: mg/k	ζg		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range	Organics (GRO)	26	5.0	25.00	0	106	49.2	122	1.61	20	
Surr: BFB		520		500.0		103	70	130	0	0	
Sample ID:	lcs-56022	SampT	ype: LC	S	Tes	tCode: El	PA Method	8015D Mod:	Gasoline I	Range	
Client ID:	LCSS	Batch	ID: 56	022	F	RunNo: 7 2	2964				
Prep Date:	10/25/2020	Analysis Da	ate: 10	/27/2020	S	SeqNo: 2	565422	Units: mg/K	٤g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range	Organics (GRO)	21	5.0	25.00	0	85.4	70	130			
Surr: BFB		510		500.0		101	70	130			
Sample ID:	mb-56022	SampT	ype: ME	BLK	Tes	tCode: El	PA Method	8015D Mod:	Gasoline I	Range	
Client ID:	PBS	Batch	ID: 56	022	F	RunNo: 72	2964				
Prep Date:	10/25/2020	Analysis Da	ate: 10	/27/2020	S	SeqNo: 2	565423	Units: mg/k	٢g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Qualifiers:

* Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range

RL Reporting Limit

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2010B63

30-Oct-20

Client:	Lucid Ene	ergy Delav	vare								
Project:	Riverside										
Sample ID:	mb-56022	SampT	ype: ME	BLK	Tes	tCode: EF	PA Method	8015D Mod:	Gasoline	Range	
Client ID:	PBS	Batch	n ID: 56	022	F	RunNo: 72	2964				
Prep Date:	10/25/2020	Analysis D	ate: 10)/27/2020	5	SeqNo: 2	565423	Units: mg/	٢g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Rang	e Organics (GRO)	ND	5.0								
Surr: BFB		540		500.0		108	70	130			
Sample ID:	2010b63-006ams	SampT	ype: MS	3	Tes	tCode: EF	PA Method	8015D Mod:	Gasoline	Range	
Client ID:	SW-26-C	Batch	n ID: 56	022	F	RunNo: 72	2964				
Prep Date:	10/25/2020	Analysis D	ate: 10)/27/2020	S	SeqNo: 2	565426	Units: mg/k	٢g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Rang	je Organics (GRO)	22	4.9	24.58	2.289	78.4	49.2	122			
Surr: BFB		500		491.6		103	70	130			
Sample ID:	2010b63-006amsd	SampT	ype: MS	SD.	Tes	tCode: EF	PA Method	8015D Mod:	Gasoline	Range	
Client ID:	SW-26-C	Batch	n ID: 56	022	F	RunNo: 72	2964				
Prep Date:	10/25/2020	Analysis D	ate: 10)/27/2020	S	SeqNo: 2	565427	Units: mg/k	٢g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Rang	je Organics (GRO)	23	5.0	24.95	2.289	82.3	49.2	122	5.68	20	
Surr: BFB		520		499.0		104	70	130	0	0	

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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2010B63

30-Oct-20

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HALL ENVIE ANAL LABO	RONMENTAL YSIS RATORY	Hall Environmen TEL: 505-345-3 Website: client.	ntal Analy. 490 Albuquerq 975 FAX: s.hallenvir	sis Labora I Hawkins ue, NM 87 505-345-4 conmental.e	tory NE 109 San 107 com	Sample Log-In Check L			
Client Name:	Lucid Energy Delaware	Work Order Numl	oer: 2010)B63		RcptNo: 1			
Received By:	Desiree Dominguez	10/24/2020 8:45:00	AM		TAZ				
Completed By:	Desiree Dominguez	10/23/2020 4:02:19	PM		TP>				
Reviewed By:	(W 10/20/2020								
Chain of Cus	tody								
1. Is Chain of C	ustody complete?		Yes	\checkmark	No 🗌	Not Present			
2. How was the	sample delivered?		Cour	ier					
Log In		•							
o. was an allen	ipt made to cool the samples	7	Yes	V	No 🗀	NA 🗔			
4. Were all sam	ples received at a temperatur	e of >0° C to 6.0°C	Yes	✓	No 🗌	NA 🗌			
5. Sample(s) in	proper container(s)?		Yes		No 🗌				
6. Sufficient sam	ple volume for indicated test	s)?	Yes	\checkmark	No 🗌				
7. Are samples (except VOA and ONG) prope	rly preserved?	Yes	\checkmark	No 🗌				
8. Was preserva	tive added to bottles?		Yes		No 🗹	NA 🗌			
9. Received at le	east 1 vial with headspace <1	4" for AQ VOA?	Yes		No 🗌	NA 🔽			
10. Were any sar	nple containers received brok	en?	Yes		No 🗹	# of preserved			
11. Does paperwo (Note discrepa	ork match bottle labels? ancies on chain of custody)		Yes	\checkmark	No 🗌	for pH:	2 unless note		
12. Are matrices of	correctly identified on Chain o	f Custody?	Yes	\checkmark	No 🗌	Adjusted?			
13. Is it clear wha	t analyses were requested?		Yes	\checkmark	No 🗌				
14. Were all holdi (If no, notify c	ng times able to be met? ustomer for authorization.)		Yes	\checkmark	No 🗌 🚽	Checked by: DA	+D 10/24		
Special Handl	ing (if applicable)								
15. Was client no	tified of all discrepancies with	this order?	Yes		No 🗌	NA 🗹			
Person	Notified:	Date:	-						
By Who	om:	Via:	eMa	iil 🗌 Ph	ione 🗌 Fax	In Person			
Regard	ing:					and a second south strong branches.			
Client In	nstructions:								
16. Additional re	marks:								
17. Cooler Infor	mation								
Cooler No	Temp °C Condition	Seal Intact Seal No	Seal Da	ate	Signed By				
1	3.2 Good N	ot Present							

Page 1 of 1

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	Chain	-01-01	ustody Record	I urn-Around	Time:	-				1	İ					
Client	Lucia	SENE	ray	& Standard		day				IAL			RON	MEN	TAL	
				Project Name						- WIN		NT N	LABC	IKAT	ORY	
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email	or Fax#: 1	MAQUA	-Olucid-energy, com	Project Mana	ger:		(((_	*((
QA/QC	Package: ndard	2	□ Level 4 (Full Validation)	No	Jack	Cart	1208)	CB's		SWI	O¢' SC		tnəzdA			
Accred	litation:	□ Az Co	ompliance	Sampler: N	127		s'aM	0 X 0	()	S072	Ч, ₂ С		/tuəs			
	AC	□ Other		On Ice:	X Yes	ON D	17	08/		8 JO	N	(0	, Les			
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				Cooler Temp	ncluding CF): 3,	1+b.1-3.2 (°C)	EA) occi ioitse	oqtə	y 83	۶۲, N	(AO	notilo			
Date	Time	Matrix	Sample Name	Container Type and #	Preservative Tvpe	HEAL No.	/ XEX /	08.11 9 9 1801	M) 803	d eHA ^o 3 AAOS	ј '∃ (б	N) 022	otal Co			
10/23/22	0950	\sim	Bizlic	402 Salta	ICF	-001		B		비 비	DX	8	L		-	Τ
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	1000		SW, 24.C			- 004			+		$\langle \rangle$	+				Τ
	1130		5W'25,C			-005			+		$\langle \times$					Τ
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Date	Time:	Relinquishe	Ed by:	Received by.	Via:	Date Time										
arterla	(90D	M		P	-onlier	St. & 02/h2/01										
	If necessary.	samples subr	mitted to Hall Environmental may be subcor	ntracted to other acci	edited laboratories	. This serves as notice of this	oossibility.	Any sub	o-contrac	ted data	will be cle	arly nota	ted on the ana	alytical report.		٦

Released to Imaging: 12/3/2021 9:42:05 AM

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Received by OCD: 10/29/2021 11:21:33 AM



December 10, 2020

Michael Gant Lucid Energy Delaware 201 South 4th St. Artesia, NM 88210 TEL: FAX: Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: clients.hallenvironmental.com

RE: Riverside

OrderNo.: 2012281

Dear Michael Gant:

Hall Environmental Analysis Laboratory received 4 sample(s) on 12/5/2020 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

CLIENT: Lucid Energy Delaware

Project: Riverside

Analytical Report Lab Order 2012281

Date Reported: 12/10/2020

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: B-33-C Collection Date: 11/25/2020 10:10:00 AM **Becaived Data:** 12/5/2020 8:00:00 AM

Lab ID: 2012281-001	Matrix: SOIL	Rece	ived Date:	12/5/2	020 8:00:00 AM
Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RAN	IGE ORGANICS				Analyst: BRM
Diesel Range Organics (DRO)	ND	9.6	mg/Kg	1	12/8/2020 4:44:30 PM
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	12/8/2020 4:44:30 PM
Surr: DNOP	43.2	30.4-154	%Rec	1	12/8/2020 4:44:30 PM
EPA METHOD 300.0: ANIONS					Analyst: VP
Chloride	ND	61	mg/Kg	20	12/7/2020 2:36:25 PM
EPA METHOD 8260B: VOLATILES SH	IORT LIST				Analyst: JMR
Benzene	ND	0.025	mg/Kg	1	12/7/2020 3:27:33 AM
Toluene	ND	0.049	mg/Kg	1	12/7/2020 3:27:33 AM
Ethylbenzene	ND	0.049	mg/Kg	1	12/7/2020 3:27:33 AM
Xylenes, Total	ND	0.098	mg/Kg	1	12/7/2020 3:27:33 AM
Surr: 1,2-Dichloroethane-d4	108	70-130	%Rec	1	12/7/2020 3:27:33 AM
Surr: 4-Bromofluorobenzene	103	70-130	%Rec	1	12/7/2020 3:27:33 AM
Surr: Dibromofluoromethane	107	70-130	%Rec	1	12/7/2020 3:27:33 AM
Surr: Toluene-d8	97.9	70-130	%Rec	1	12/7/2020 3:27:33 AM
EPA METHOD 8015D MOD: GASOLIN	IE RANGE				Analyst: JMR
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	12/7/2020 3:27:33 AM
Surr: BFB	104	70-130	%Rec	1	12/7/2020 3:27:33 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- н
- Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit PQL
 - Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

- Analyte detected in the associated Method Blank в
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 1 of 9

CLIENT: Lucid Energy Delaware

2012281-002

Project: Riverside

Lab ID:

Analytical Report Lab Order 2012281

Date Reported: 12/10/2020

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: B-34-C Collection Date: 11/25/2020 10:15:00 AM Received Date: 12/5/2020 8:00:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGA	NICS				Analyst: BRM
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	12/8/2020 5:08:10 PM
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	12/8/2020 5:08:10 PM
Surr: DNOP	31.4	30.4-154	%Rec	1	12/8/2020 5:08:10 PM
EPA METHOD 300.0: ANIONS					Analyst: VP
Chloride	ND	60	mg/Kg	20	12/7/2020 3:13:39 PM
EPA METHOD 8260B: VOLATILES SHORT LIST					Analyst: JMR
Benzene	ND	0.024	mg/Kg	1	12/7/2020 3:56:15 AM
Toluene	ND	0.048	mg/Kg	1	12/7/2020 3:56:15 AM
Ethylbenzene	ND	0.048	mg/Kg	1	12/7/2020 3:56:15 AM
Xylenes, Total	ND	0.097	mg/Kg	1	12/7/2020 3:56:15 AM
Surr: 1,2-Dichloroethane-d4	100	70-130	%Rec	1	12/7/2020 3:56:15 AM
Surr: 4-Bromofluorobenzene	97.6	70-130	%Rec	1	12/7/2020 3:56:15 AM
Surr: Dibromofluoromethane	104	70-130	%Rec	1	12/7/2020 3:56:15 AM
Surr: Toluene-d8	100	70-130	%Rec	1	12/7/2020 3:56:15 AM
EPA METHOD 8015D MOD: GASOLINE RANGE					Analyst: JMR
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	12/7/2020 3:56:15 AM
Surr: BFB	103	70-130	%Rec	1	12/7/2020 3:56:15 AM

Matrix: SOIL

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- н
- Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

- Analyte detected in the associated Method Blank в
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 2 of 9

Lab ID:

CLIENT: Lucid Energy Delaware

2012281-003

Riverside

Analytical Report Lab Order 2012281

Date Reported: 12/10/2020

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: B-35-C Collection Date: 11/25/2020 10:18:00 AM

Received Date: 12/5/2020 8:00:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGAI	NICS				Analyst: BRM
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	12/9/2020 11:06:01 AM
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	12/9/2020 11:06:01 AM
Surr: DNOP	92.3	30.4-154	%Rec	1	12/9/2020 11:06:01 AM
EPA METHOD 300.0: ANIONS					Analyst: VP
Chloride	ND	60	mg/Kg	20	12/7/2020 4:15:41 PM
EPA METHOD 8260B: VOLATILES SHORT LIST					Analyst: JMR
Benzene	ND	0.025	mg/Kg	1	12/7/2020 4:24:58 AM
Toluene	ND	0.050	mg/Kg	1	12/7/2020 4:24:58 AM
Ethylbenzene	ND	0.050	mg/Kg	1	12/7/2020 4:24:58 AM
Xylenes, Total	ND	0.10	mg/Kg	1	12/7/2020 4:24:58 AM
Surr: 1,2-Dichloroethane-d4	106	70-130	%Rec	1	12/7/2020 4:24:58 AM
Surr: 4-Bromofluorobenzene	99.7	70-130	%Rec	1	12/7/2020 4:24:58 AM
Surr: Dibromofluoromethane	106	70-130	%Rec	1	12/7/2020 4:24:58 AM
Surr: Toluene-d8	98.2	70-130	%Rec	1	12/7/2020 4:24:58 AM
EPA METHOD 8015D MOD: GASOLINE RANGE					Analyst: JMR
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	12/7/2020 4:24:58 AM
Surr: BFB	102	70-130	%Rec	1	12/7/2020 4:24:58 AM

Matrix: SOIL

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- Value exceeds Maximum Contaminant Level.
 D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 3 of 9

CLIENT: Lucid Energy Delaware

2012281-004

Riverside

Project:

Lab ID:

Analytical Report Lab Order 2012281

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 12/10/2020 Client Sample ID: B-36-C Collection Date: 11/25/2020 10:20:00 AM

Received Date: 12/5/2020 8:00:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGA	NICS				Analyst: BRM
Diesel Range Organics (DRO)	ND	8.9	mg/Kg	1	12/9/2020 11:29:33 AM
Motor Oil Range Organics (MRO)	ND	44	mg/Kg	1	12/9/2020 11:29:33 AM
Surr: DNOP	96.1	30.4-154	%Rec	1	12/9/2020 11:29:33 AM
EPA METHOD 300.0: ANIONS					Analyst: VP
Chloride	ND	60	mg/Kg	20	12/7/2020 4:28:06 PM
EPA METHOD 8260B: VOLATILES SHORT LIST					Analyst: JMR
Benzene	ND	0.025	mg/Kg	1	12/7/2020 4:53:34 AM
Toluene	ND	0.049	mg/Kg	1	12/7/2020 4:53:34 AM
Ethylbenzene	ND	0.049	mg/Kg	1	12/7/2020 4:53:34 AM
Xylenes, Total	ND	0.098	mg/Kg	1	12/7/2020 4:53:34 AM
Surr: 1,2-Dichloroethane-d4	103	70-130	%Rec	1	12/7/2020 4:53:34 AM
Surr: 4-Bromofluorobenzene	100	70-130	%Rec	1	12/7/2020 4:53:34 AM
Surr: Dibromofluoromethane	108	70-130	%Rec	1	12/7/2020 4:53:34 AM
Surr: Toluene-d8	98.4	70-130	%Rec	1	12/7/2020 4:53:34 AM
EPA METHOD 8015D MOD: GASOLINE RANGE					Analyst: JMR
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	12/7/2020 4:53:34 AM
Surr: BFB	102	70-130	%Rec	1	12/7/2020 4:53:34 AM

Matrix: SOIL

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

- Analyte detected in the associated Method Blank в
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 4 of 9

Client: Project:	Lucid Er Riversid	nergy Delaware e							
Sample ID:	MB-56826	SampType: M	BLK	Test	Code: EPA Method	300.0: Anions			
Client ID:	PBS	Batch ID: 50	6826	R	unNo: 73830				
Prep Date:	12/7/2020	Analysis Date: 1	2/7/2020	S	eqNo: 2604047	Units: mg/Kg	J		
Analyte		Result PQL	SPK value	SPK Ref Val	%REC LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		ND 1.5	5						
Sample ID:	LCS-56826	SampType: L	cs	Test	Code: EPA Method	300.0: Anions	i		
Client ID:	LCSS	Batch ID: 50	6826	R	unNo: 73830				
Prep Date:	12/7/2020	Analysis Date: 1	2/7/2020	S	eqNo: 2604048	Units: mg/Kg	J		
Analyte		Result PQL	SPK value	SPK Ref Val	%REC LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		14 1.5	5 15.00	0	90.6 90	110			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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2012281

10-Dec-20

Chent: Project:	Lucid E Riversic	inergy Delav de	vare								
Sample ID:	LCS-56809	SampT	ype: LC	s	Tes	Code: EF	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID:	LCSS	Batch	ID: 56	809	R	unNo: 7 3	3877				
Prep Date:	12/5/2020	Analysis D	ate: 12	2/8/2020	S	eqNo: 26	605170	Units: %Red	;		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP)	5.9		5.000		118	30.4	154			
Sample ID:	LCS-56813	SampT	ype: LC	s	Tes	Code: EF	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID:	LCSS	Batch	ID: 56	813	R	unNo: 73	3877				
Prep Date:	12/5/2020	Analysis D	ate: 12	2/8/2020	S	eqNo: 26	605171	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range	Organics (DRO)	60	10	50.00	0	120	70	130			
Surr: DNOP	,	6.3		5.000		127	30.4	154			
Sample ID:	MB-56809	SampT	ype: MI	BLK	Tes	Code: EF	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID:	PBS	Batch	ID: 56	809	R	unNo: 73	3877				
Prep Date:	12/5/2020	Analysis D	ate: 12	2/8/2020	S	eqNo: 26	605176	Units: %Red	;		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP)	12		10.00		116	30.4	154			
Sample ID:	: MB-56813	SampT	ype: MI	BLK	Tes	Code: EF	PA Method	8015M/D: Die	esel Range	e Organics	
Sample ID: Client ID:	: MB-56813 PBS	SampT Batch	ype: Mi ID: 56	BLK 813	Tes R	tCode: EF	PA Method 3877	8015M/D: Die	esel Range	e Organics	
Sample ID: Client ID: Prep Date:	: MB-56813 PBS 12/5/2020	SampT Batch Analysis D	ype: Mi i ID: 56 ate: 1 2	BLK 813 2/8/2020	Tes R S	Code: EF unNo: 73 eqNo: 26	PA Method 3877 605177	8015M/D: Die Units: mg/K	esel Range g	e Organics	
Sample ID: Client ID: Prep Date: Analyte	: MB-56813 PBS 12/5/2020	SampT Batch Analysis D Result	ype: Mi i ID: 56 ate: 1 2 PQL	BLK 813 2/8/2020 SPK value	Tes R S SPK Ref Val	Code: EF unNo: 73 eqNo: 26 %REC	PA Method 3877 605177 LowLimit	8015M/D: Die Units: mg/K HighLimit	esel Range g %RPD	e Organics RPDLimit	Qual
Sample ID: Client ID: Prep Date: Analyte Diesel Range	: MB-56813 PBS 12/5/2020 Organics (DRO)	SampT Batch Analysis D Result ND	ype: MI 1D: 56 ate: 12 PQL 10	BLK 813 2/8/2020 SPK value	Tes R SPK Ref Val	Code: EF cunNo: 73 seqNo: 26 %REC	PA Method 3877 605177 LowLimit	8015M/D: Die Units: mg/K HighLimit	sel Rango g %RPD	e Organics	Qual
Sample ID: Client ID: Prep Date: Analyte Diesel Range Motor Oil Rang	MB-56813 PBS 12/5/2020 Organics (DRO) ge Organics (MRO)	SampT Batch Analysis D Result ND ND 12	ype: MI alD: 56 ate: 1 PQL 10 50	BLK 813 2/8/2020 SPK value	Tes R SPK Ref Val	Code: EF CunNo: 73 GeqNo: 26 <u>%REC</u>	PA Method 3877 505177 LowLimit 30.4	8015M/D: Die Units: mg/K HighLimit	g %RPD	e Organics	Qual
Sample ID: Client ID: Prep Date: Analyte Diesel Range Motor Oil Rang Surr: DNOP	: MB-56813 PBS 12/5/2020 Organics (DRO) ge Organics (MRO)	SampT Batch Analysis D Result ND ND 12	ype: MI alD: 56 ate: 12 PQL 10 50	BLK 813 2/8/2020 SPK value 10.00	Tes R SPK Ref Val	Code: EF unNo: 73 SeqNo: 26 %REC 120	PA Method 3877 505177 LowLimit 30.4	8015M/D: Die Units: mg/K HighLimit 154	g %RPD	e Organics	Qual
Sample ID: Client ID: Prep Date: Analyte Diesel Range Motor Oil Rang Surr: DNOP Sample ID:	: MB-56813 PBS 12/5/2020 Organics (DRO) ge Organics (MRO) : MB-56878	SampT Batch Analysis D Result ND ND 12 SampT	ype: MI ate: 1 2 PQL 10 50 ype: MI	BLK 813 2/8/2020 SPK value 10.00 BLK	Tes R SPK Ref Val Tes	Code: EF unNo: 73 jeqNo: 26 %REC 120 Code: EF	PA Method 3877 505177 LowLimit 30.4 PA Method	8015M/D: Die Units: mg/K HighLimit 154 8015M/D: Die	g %RPD	PDLimit	Qual
Sample ID: Client ID: Prep Date: Analyte Diesel Range Motor Oil Rang Surr: DNOP Sample ID: Client ID:	: MB-56813 PBS 12/5/2020 Organics (DRO) ge Organics (MRO) : MB-56878 PBS	SampT Batch Analysis D Result ND ND 12 SampT Batch	ype: MI ate: 12 PQL 10 50 ype: MI a ID: 56	BLK 813 2/8/2020 SPK value 10.00 BLK 878	Tes R SPK Ref Val Tes R	Code: EF LunNo: 73 SeqNo: 26 %REC 120 Code: EF	PA Method 3877 505177 LowLimit 30.4 PA Method 3880	8015M/D: Die Units: mg/K HighLimit 154 8015M/D: Die	g %RPD	e Organics RPDLimit	Qual
Sample ID: Client ID: Prep Date: Analyte Diesel Range Motor Oil Rang Surr: DNOP Sample ID: Client ID: Prep Date:	: MB-56813 PBS 12/5/2020 Organics (DRO) ge Organics (MRO) : MB-56878 PBS 12/9/2020	SampT Batch Analysis D Result ND ND 12 SampT Batch Analysis D	ype: MI ale: 12 PQL 10 50 ype: MI alD: 56 ate: 12	BLK 813 2/8/2020 SPK value 10.00 BLK 878 2/9/2020	Tes R SPK Ref Val Tes R S	2Code: EF 2007 26 3eqNo: 26 3eqNo: 26 2007 26 2007 26 2008 26	PA Method 3877 505177 LowLimit 30.4 PA Method 3880 505390	8015M/D: Die Units: mg/K HighLimit 154 8015M/D: Die Units: mg/K	g %RPD esel Range	e Organics	Qual
Sample ID: Client ID: Prep Date: Analyte Diesel Range Motor Oil Rang Surr: DNOP Sample ID: Client ID: Prep Date: Analyte	: MB-56813 PBS 12/5/2020 Organics (DRO) ge Organics (MRO) : MB-56878 PBS 12/9/2020	SampT Batch Analysis D Result ND 12 SampT Batch Analysis D Result	ype: MI ale: 12 PQL 10 50 ype: MI ale: 56 ale: 12 PQL	BLK 813 2/8/2020 SPK value 10.00 BLK 878 2/9/2020 SPK value	Tes R SPK Ref Val Tes R SPK Ref Val	Code: EF aunNo: 73 SeqNo: 26 %REC 120 Code: EF aunNo: 73 SeqNo: 26 %REC	PA Method 3877 505177 LowLimit 30.4 PA Method 3880 505390 LowLimit	8015M/D: Die Units: mg/K HighLimit 154 8015M/D: Die Units: mg/K HighLimit	g %RPD esel Range g %RPD	e Organics RPDLimit e Organics RPDLimit	Qual
Sample ID: Client ID: Prep Date: Analyte Diesel Range Motor Oil Rang Surr: DNOP Sample ID: Client ID: Prep Date: Analyte Diesel Range Motor Oil Rang	: MB-56813 PBS 12/5/2020 Organics (DRO) ge Organics (MRO) : MB-56878 PBS 12/9/2020 Organics (DRO) ge Organics (DRO) ge Organics (MRO)	SampT Batch Analysis D Result ND 12 SampT Batch Analysis D Result ND	ype: MI ate: 12 PQL 10 50 ype: MI ate: 12 PQL 10 50	BLK 813 2/8/2020 SPK value 10.00 BLK 878 2/9/2020 SPK value	Tes R SPK Ref Val Tes R SPK Ref Val	Code: EF JunNo: 73 JeqNo: 26 %REC 120 Code: EF SunNo: 73 JeqNo: 26 %REC	PA Method 3877 505177 LowLimit 30.4 PA Method 3880 505390 LowLimit	8015M/D: Die Units: mg/K HighLimit 154 8015M/D: Die Units: mg/K HighLimit	g %RPD esel Range g %RPD	e Organics RPDLimit	Qual
Sample ID: Client ID: Prep Date: Analyte Diesel Range (Motor Oil Rang Surr: DNOP Sample ID: Client ID: Prep Date: Analyte Diesel Range Motor Oil Rang Surr: DNOP	: MB-56813 PBS 12/5/2020 Organics (DRO) ge Organics (MRO) : MB-56878 PBS 12/9/2020 Organics (DRO) ge Organics (MRO)	SampT Batch Analysis D Result ND 12 SampT Batch Analysis D Result ND ND 9.1	ype: MI ate: 12 PQL 10 50 ype: MI ate: 12 PQL 10 50	BLK 813 2/8/2020 SPK value 10.00 BLK 878 2/9/2020 SPK value 10.00	Tes R SPK Ref Val Tes R SPK Ref Val	Code: EF anNo: 73 aqNo: 26 %REC 120 Code: EF anNo: 73 aqNo: 26 %REC 91.3	PA Method 3877 505177 LowLimit 30.4 PA Method 3880 505390 LowLimit 30.4	8015M/D: Die Units: mg/K HighLimit 154 8015M/D: Die Units: mg/K HighLimit	g %RPD esel Range g %RPD	e Organics	Qual
Sample ID: Client ID: Prep Date: Analyte Diesel Range Motor Oil Rang Surr: DNOP Sample ID: Client ID: Prep Date: Analyte Diesel Range Motor Oil Rang Surr: DNOP	: MB-56813 PBS 12/5/2020 Organics (DRO) ge Organics (MRO) : MB-56878 PBS 12/9/2020 Organics (DRO) ge Organics (MRO) : LCS-56878	SampT Batch Analysis D Result ND 12 SampT Batch Analysis D Result ND ND 9.1	ype: MI ale: 12 PQL 10 50 ype: MI ale: 12 PQL 10 50 ype: LC	BLK 813 2/8/2020 SPK value 10.00 BLK 878 2/9/2020 SPK value 10.00	Tes R SPK Ref Val Tes SPK Ref Val SPK Ref Val	Code: EF unNo: 73 ieqNo: 26 %REC 120 Code: EF unNo: 73 ieqNo: 26 %REC 91.3 iCode: EF	PA Method 3877 505177 LowLimit 30.4 PA Method 3880 505390 LowLimit 30.4 PA Method	8015M/D: Die Units: mg/K HighLimit 154 8015M/D: Die Units: mg/K HighLimit 154 8015M/D: Die	g %RPD esel Range %RPD	e Organics RPDLimit PDLimit RPDLimit RPDLimit	Qual
Sample ID: Client ID: Prep Date: Analyte Diesel Range Motor Oil Rang Surr: DNOP Sample ID: Client ID: Prep Date: Analyte Diesel Range Motor Oil Rang Surr: DNOP Sample ID: Client ID:	: MB-56813 PBS 12/5/2020 Organics (DRO) ge Organics (MRO) : MB-56878 PBS 12/9/2020 Organics (DRO) ge Organics (MRO) : LCS-56878 LCSS	SampT Batch Analysis D Result ND 12 SampT Batch Analysis D Result ND 9.1 SampT Batch	ype: MI ate: 12 PQL 10 50 ype: MI ate: 12 PQL 10 50 ype: LC 10: 56	BLK 813 2/8/2020 SPK value 10.00 BLK 878 2/9/2020 SPK value 10.00 :S 878	Tes R SPK Ref Val Tes SPK Ref Val SPK Ref Val Tes R	Code: EF anNo: 73 aqNo: 26 %REC 120 Code: EF anNo: 73 aqNo: 26 %REC 91.3	PA Method 3877 505177 LowLimit 30.4 PA Method 3880 505390 LowLimit 30.4 PA Method 3880	8015M/D: Die Units: mg/K HighLimit 154 8015M/D: Die Units: mg/K HighLimit 154 8015M/D: Die	g %RPD esel Range %RPD	e Organics RPDLimit e Organics RPDLimit	Qual
Sample ID: Client ID: Prep Date: Analyte Diesel Range Motor Oil Rang Surr: DNOP Sample ID: Client ID: Prep Date: Analyte Diesel Range Motor Oil Rang Surr: DNOP Sample ID: Client ID: Client ID: Prep Date:	: MB-56813 PBS 12/5/2020 Organics (DRO) ge Organics (MRO) : MB-56878 PBS 12/9/2020 Organics (DRO) ge Organics (MRO) : LCS-56878 LCSS 12/9/2020	SampT Batch Analysis D Result ND 12 SampT Batch Analysis D Result ND 9.1 SampT Batch Batch Batch	ype: MI ate: 12 PQL 10 50 ype: MI 1D: 56 ate: 12 PQL 10 50 ype: LC ate: 12 1D: 56 ate: 12	BLK 813 2/8/2020 SPK value 10.00 BLK 878 2/9/2020 SPK value 10.00 CS 878 2/9/2020	Tes R SPK Ref Val Tes SPK Ref Val Tes R SPK Ref Val	Code: EF unNo: 73 ieqNo: 26 %REC 120 Code: EF unNo: 73 ieqNo: 26 %REC 91.3 Code: EF unNo: 73 ieqNo: 26 120 120 120 120 120 120 120 120	PA Method 3877 505177 LowLimit 30.4 PA Method 3880 505390 LowLimit 30.4 PA Method 3880 505391	8015M/D: Die Units: mg/K HighLimit 154 8015M/D: Die Units: mg/K 154 8015M/D: Die Units: mg/K	g %RPD esel Range %RPD g %RPD	e Organics RPDLimit Companies RPDLimit RPDLimit	Qual

Qualifiers:

* Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range

RL Reporting Limit

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Client:	Lucid En	ergy Delav	ware								
Project:	Riverside	9									
Sample ID:	LCS-56878	SampT	ype: LC	s	Tes	tCode: El	PA Method	8015M/D: Di	esel Rang	e Organics	
Client ID:	LCSS	Batch	n ID: 56	878	F	RunNo: 7	3880				
Prep Date:	12/9/2020	Analysis D)ate: 12	2/9/2020	5	SeqNo: 2	605391	Units: mg/ł	٢g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range	Organics (DRO)	43	10	50.00	0	86.1	70	130			
Surr: DNOP		4.3		5.000		86.9	30.4	154			
Sample ID:	2012281-003AMS	SampT	ัype: M ร	6	Tes	tCode: El	PA Method	8015M/D: Di	esel Rang	e Organics	
Client ID:	B-35-C	Batch	n ID: 56	878	F	RunNo: 7	3880				
Prep Date:	12/9/2020	Analysis D)ate: 12	2/9/2020	S	SeqNo: 2	606439	Units: mg/ł	۲g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range (Organics (DRO)	44	9.6	48.12	0	90.8	15	184			
Surr: DNOP		2.4		4.812		48.9	30.4	154			
Sample ID:	2012281-003AMS	D SampT	- ype: M\$	SD	Tes	tCode: El	PA Method	8015M/D: Di	esel Rang	e Organics	
Client ID:	B-35-C	Batch	n ID: 56	878	F	RunNo: 7	3880				
Prep Date:	12/9/2020	Analysis D)ate: 12	2/9/2020	S	SeqNo: 2	606440	Units: mg/k	٢g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range (Organics (DRO)	42	9.3	46.43	0	91.1	15	184	3.33	23.9	
Surr: DNOP		3.7		4.643		79.7	30.4	154	0	0	

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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10-Dec-20

Client: Lu	cid Energy Dela	ware								
Project: Ri	verside									
Sample ID: Ics-56812	Samp	Туре: LC	S4	Tes	tCode: El	PA Method	8260B: Volat	iles Short	List	
Client ID: BatchQC	Bato	h ID: 56	812	F	RunNo: 7	3824				
Prep Date: 12/5/2020	Analysis	Date: 12	2/6/2020	S	SeqNo: 2	602748	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.025	1.000	0	103	80	120			
Toluene	1.1	0.050	1.000	0	107	80	120			
Ethylbenzene	1.1	0.050	1.000	0	108	80	120			
Xylenes, Total	3.4	0.10	3.000	0	113	80	120			
Surr: 1,2-Dichloroethane-d	4 0.51		0.5000		103	70	130			
Surr: 4-Bromofluorobenzer	ne 0.53		0.5000		106	70	130			
Surr: Dibromofluoromethar	Surr: Dibromofluoromethane 0.53 0.5000				107	70	130			
Surr: Toluene-d8	0.51		0.5000		102	70	130			
Sample ID: mb-56812	Samp	Туре: МЕ	BLK	TestCode: EPA Method 8260B: Volatiles Short List						
Client ID: PBS	Bato	ch ID: 56	812	F	RunNo: 7	3824				
Prep Date: 12/5/2020	Analysis	Date: 12	2/6/2020	5	SeqNo: 2	602749	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 1,2-Dichloroethane-d	4 0.53		0.5000		107	70	130			
Surr: 4-Bromofluorobenzer	ne 0.49		0.5000		98.1	70	130			
Surr: Dibromofluoromethar	ne 0.55		0.5000		109	70	130			
Surr: Toluene-d8	0.50		0.5000		99.8	70	130			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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10-Dec-20

Client: Project:	Lucid Ene Riverside	ergy Delav	vare								
Sample ID:	lcs-56812	SampT	ype: LC	S	Tes	tCode: EF	PA Method	8015D Mod:	Gasoline	Range	
Client ID:	LCSS	Batch	n ID: 56	812	F	RunNo: 7	3824				
Prep Date:	12/5/2020	Analysis D	ate: 12	2/6/2020	S	SeqNo: 20	602785	Units: mg/k	(g		
Analyte Result PQL SPK valu				SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range	e Organics (GRO)	23	5.0	25.00	0	92.1	70	130			
Surr: BFB	Gasoline Range Organics (GRO) 23 5.0 25.0 25.0 500.1			500.0		103	70	130			
Sample ID:	mb-56812	SampT	ype: ME	BLK	Tes	tCode: EF	PA Method	8015D Mod:	Gasoline	Range	
Client ID:	PBS	Batch	n ID: 56	812	F	RunNo: 7	3824				
Prep Date:	12/5/2020	Analysis D	ate: 12	2/6/2020	S	SeqNo: 20	602786	Units: mg/k	íg		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range	e Organics (GRO)	ND	5.0								
Sasoline Range Organics (GRO) ND 5.0 Surr: BFB 500 500				500.0		100	70	130			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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2012281

10-Dec-20

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	HALL ENVIR ANALY LABOF	CONMENTA YSIS RATORY	1:21:33 AM	I Ha TE W	ll Environme L: 505-345-3 ebsite: clien	ental Analys 4901 Albuquerqu 3975 FAX: : ts.hallenviro	is Labora Hawkins we, NM 87 505-345-4 onmental.	tory NE 7109 St 7107 com	ample I	_og-In (Check List
С	lient Name:	Lucid Ener	gy Delaware	Work	Order Num	ber: 2012	281			RcptNo	o: 1
Re	eceived By:	Cheyenne	Cason	12/5/20	20 8:00:00	АМ					
C	ompleted By:	Emily Mo	cho	12/5/20	20 8:42:22	AM					
Re	eviewed By: <	SGC IT	215/20								
Cł	nain of Cus	<u>tody</u>									
1.	Is Chain of Cu	ustody comp	lete?			Yes	\checkmark	No [Not	Present	
2.	How was the	sample deliv	ered?			Couri	er				
<u>L</u>	og In								_		
3.	Was an attem	pt made to c	cool the samp	les?		Yes	\checkmark	No		NA 🗌	
4.	Were all samp	bles received	at a tempera	ture of >0° C	to 6.0°C	Yes <u>Sam</u> j	Dies not	No . <u>frozen</u>	•	NA 🗌	
5.	Sample(s) in p	proper contai	iner(s)?			Yes	\checkmark	No 🗌]		
6.	Sufficient sam	ple volume f	or indicated te	est(s)?		Yes	\checkmark	No 🗌]		
7.	Are samples (e	except VOA	and ONG) pro	perly preserve	ed?	Yes	\checkmark	No]		
8.	Was preservat	tive added to	bottles?			Yes		No 🔽]	NA 🗌	
9.	Received at lea	ast 1 vial wit	h headspace	<1/4" for AQ V	OA?	Yes		No 🗌]	NA 🗹	
10.	Were any sam	nple containe	ers received b	roken?		Yes		No 🔽	# of pro	eserved	
11.	Does paperwo (Note discrepa	rk match bot incies on cha	tle labels? ain of custody)		Yes	✓	No 🗌] for pH:	(<2.0	r >12 unless noted)
12.	Are matrices c	orrectly iden	tified on Chair	n of Custody?		Yes	\checkmark	No 🗌] /	Adjusted?	
13.	Is it clear what	analyses we	ere requested	?		Yes		No] /		1. 17/0
14.	Were all holdin (If no, notify cu	ng times able Istomer for a	e to be met? uthorization.)			Yes,		No 🗌] C	hecked by:	alla
Spe	ecial Handli	ing (if app	licable)			i lledə V					
15.	Was client not	tified of all di	screpancies v	vith this order?		Yes		No 🗌]	NA 🗹	
	Person	Notified:			Date	: [No de la companya de la com	unt.		
	By Who	m:			Via:	eMa		none 🗌 F	ax 🗌 In P	erson	
	Regardi Client In	ng: istructions:					- ,		· .		
16.	. Additional rer	narks:									
17.	Cooler Inform	mation									
	Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Da	te	Signed By			
	1	0.1	Good	Yes							

2	-0.7	Good	Yes	
3	1.4	Good	Yes	

Page 1 of 1

<i>Received by OCD: 10/29/2021</i>	11:21:33 AM	Page 137 of 140
NMENTAL SORATORY m A 87109 4107	Image: state stat	the analytical report.
AB AB al.co 345- Jest	Total Coliform (Present/Absent)	ed on
TR nent srque Requ	(AOV-im92) 0728	/ notat
NV SIS SIS SIS	(AOV) 0928	cleary
Alb	CIDE' BL' NO3' NO3' DO4' 204	will be
AL W.ha NE .975	RCRA 8 Metals	d data
HA an ww tins I 45-3	SMI20728 by 8310 or 8270SIMS	2 7 Intracte
Tawk 05-3	EDB (Method 504.1)	
el. 5	8081 Pesticides/8082 PCB's	Anys
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sh 48hr	C 2 21/1 C R.M. (°C) 001 002 004 004	12 pate Time 12 pate Time Date Time $12/4$ 0.080
d Xrus e: Side	ager:	Via: WWN Via: CCMM
Turn-Around Standard Project Nam Project #:	Project Man \mathcal{M} \mathcal{N} \mathcal{N} Sampler: \mathcal{M} Sampler: \mathcal{M} Solution is a cooler set in the cooler temp is a cooler tem	Received by: Received by: CUC
Client: Lucid Energy Mailing Address: On file	email or Fax#: Magunde Jucid-energy.com advac Package: advac Package: StandardLevel 4 (Full Validation) Accreditation: az Compliance ConterAccretion Accreditation: az Compliance NELACAz Compliance NELACAz Compliance Date Time Matrix Sample Name IV25 I016 S B.33.C IV25 I015 S B.33.C IV25 I015 S B.35.C IV25 I015 S B.36.C IV25 I020 S B.36.C	Date: Time: Relinquished by: V2HM IU/10 VAMA Date: Time: Relinquished by: Pate: Time: Relinquished by: PH 20 PUD VAMA If necessary, samples submitted to Hall Environmental may be subc



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Appendix E

Volume Calculations

Month Blowdown Occurred June			lune		Year	2020	
Site	ite AP-Southern Union			1	Employee Name ad Frost/Martin Cha		
			Known	(Station) Volumes			
Al	ll red fields per event must be ent	ered to calculate v	v <mark>olumes co</mark> mber of	orrectly! All yellow fields s	hould be entered if known for	increased accurac	cy.
	Type of Blowdown	Occ	curances	_	Blowdown		Volume (MCF)
				Multiplied by		Equals	
				Multiplied by		Equals	
				Multiplied by		Equals	
		<u>Calc</u>	ulated	(Pipeline) Volume	<u>s</u>		
-	<u>Blowdown(s)</u>				Purge/Ven	<u>t</u>	
Reference Meter Number	Blow (MCF	down :)		Reference Meter Number		Volume Lost (MCF)	35.55
Pipe ID (in)	Leng (Feet	th ;)		Beginning Date & Time	06/18/2020 00:00	Vent Duration (Hours)	24.00
Begin Press. (PSIG)	End F (PSIG	Press. i)		Ending Date & Time	06/19/2020 00:00	Gas Temp	
Gas Temp.	Spec	fic Gravity		Pipe ID (in)	8in Sch. 80	Specific Gravity	
Elevation (ft)				Orifice Size (in)	0.15	Elevation (ft)	
				Avg Pressure	60.00		
Reference Meter Number	Blow (MCF	down		Reference Meter Number		Volume Lost (MCF)	
Pipe ID (in)	Leng (Feet	th		Beginning Date & Time		Vent Duration (Hours)	
Begin Press. (PSIG)	End F (PSIG	Press.		Ending Date & Time		Gas Temp	
Gas Temp.	Spec	fic Gravity		Pipe ID (in)		Specific Gravity	
Elevation (ft)				Orifice Size (in)		Elevation (ft)	
				Avg Pressure			
Reference Meter Number	Blow	down		Reference Meter Number		Volume Lost (MCF)	
Pipe ID (in)	Leng (Feet	th		Beginning Date & Time		Vent Duration (Hours)	
Begin Press. (PSIG)	End F (PSIG	Press.		Ending Date & Time		Gas Temp	
Gas Temp.	Spec	fic Gravity		Pipe ID (in)		Specific Gravity	
Elevation (ft)				Orifice Size (in)		Elevation (ft)	
				Avg Pressure			
					Total Vo	lume (MCF):	35.55
			C	omments:			
			River	rside ASS Leak			

District I 1625 N. French Dr., Hobbs, NM 88240 Phone:(575) 393-6161 Fax:(575) 393-0720 District II

811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

District III

1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

District IV

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone: (505) 476-3470 Fax: (505) 476-3462

State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. Santa Fe, NM 87505

CONDITIONS

Operator:	OGRID:
Lucid Artesia Company	147831
201 S. Fourth Street	Action Number:
Artesia, NM 88210	58616
	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
chensley	None	12/3/2021

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Action 58616